

U. S. DEPARTMENT OF COMMERCE

DANIEL C. ROPER, Secretary

COAST AND GEODETIC SURVEY

LEO OTIS COLBERT, Director

SERIAL No. 608

CATALOG

OF

U. S. COAST AND GEODETIC SURVEY NAUTICAL AND AERONAUTICAL CHARTS, COAST PILOTS, TIDE TABLES, CURRENT TABLES TIDAL CURRENT CHARTS

ATLANTIC AND GULF COASTS, PUERTO RICO, VIRGIN
ISLANDS, AND THE CANAL ZONE; PACIFIC COAST
ALASKA, THE HAWAIIAN ISLANDS AND GUAM
AND THE PHILIPPINE ISLANDS

DISTRIBUTED BY THE U. S. COAST AND GEODETIC SURVEY
AND AUTHORIZED SALES AGENCIES LISTED



EDITION: OCTOBER 1938

CATALOG OF NAUTICAL AND AERONAUTICAL CHARTS, COAST PILOTS, TIDE TABLES, CURRENT TABLES, AND TIDAL CURRENT CHARTS

GENERAL INFORMATION

This catalog lists information regarding items sold by the Coast and Geodetic Survey of the Department of Commerce and its authorized sales agents. An index appears on page 62.

Purchases may be made from any of the sales agents listed in this catalog, or from the following **Field Stations**: 10th Floor, Customhouse, Boston, Mass.; 915-917 Federal Office Building, New York, N. Y.; 314 Customhouse, New Orleans, La.; 307 Customhouse, San Francisco, Calif.; and 601 Federal Office Building, Seattle, Wash. However, if ordering by mail of the United States Coast and Geodetic Survey, Washington, D. C., or Manila, P. I., remit by money order, express order, or check, payable to the United States Coast and Geodetic Survey and *not by name to any individual*. Money is unsafe except by registered mail. Postage stamps can not be accepted. Order by catalog number only.

Nautical charts are grouped in the following order: Atlantic and Gulf coasts, Puerto Rico, Virgin Islands, the Canal Zone, the Pacific coast, Alaska, the Hawaiian and Guam, and the Philippine Islands. A numerical arrangement appears in the back, for ready reference to page and price.

DESCRIPTION OF NAUTICAL CHARTS

Published primarily for navigational use, nautical charts portray the water areas rather than the land. They are not designed as topographic maps, but a strip of topography extending a short distance inland is usually shown and back of this only important landmarks visible at sea are included.

Field surveys are made on much larger scales than those on which the charts are published. The larger scales permit the showing of greater detail and provide a more comprehensive record of conditions existing at the specific time the survey was made. The chart is also frequently a compilation of data secured at different times. One portion, comprising an unchanged area, may be based upon a survey of years ago, while another part, subject to natural or artificial changes, shows the results of very recent surveys. **When information is desired on a larger scale than that of the chart, or where the actual date applicable to the information shown becomes of importance**, the public is frequently better served by having recourse to original survey records, photographic copies of which may be obtained at the nominal cost of reproduction. Some of the topographic surveys are published. Requests for information of these should indicate definitely the area desired.

Nautical charts are constructed on different scales, to adapt them to varied navigational purposes. Small-scale charts include large areas, suited to offshore navigation; large-scale charts cover small areas, suited to alongshore navigation. They are grouped in the following order, the limit of each chart being graphically shown on diagrams facing the page on which it is listed.

Sailing charts.—Scales from 1:600,000 to 1:4,500,000. Intended to fix the navigator's position as he approaches the coast from the open ocean or when sailing between distant coast ports. They show offshore soundings, the principal lights and outer buoys and natural landmarks visible at considerable distance.

General charts of the coast.—Scales from 1:180,000 to 1:400,000. Designed for coastwise navigation, when a vessel's course would mostly be within sight of land, with her position fixed

by landmarks, lights, outer buoys, and characteristic soundings.

There are also listed United States coast pilots and intra-coastal waterways (inside route) pilots, tide tables, current tables, tidal current charts, aeronautical charts, miscellaneous maps and plans, and Philippine topographic maps and books on triangulation.

Catalogs are issued annually. The annual List of Publications of the Department of Commerce, free on application, lists the many other publications of the Coast and Geodetic Survey, covering its activities in hydrography, tides, currents, geodesy, terrestrial magnetism, and seismology.

Notice to Mariners (United States), a weekly leaflet issued jointly with the Bureau of Lighthouses of the Department of Commerce, is free to those who desire copies regularly. It may be consulted at sales agencies listed herein and at all United States customhouses, lighthouse offices, hydrographic offices, and consulates abroad. A **separate Notice to Mariners (Philippine Islands)** is published by the United States Coast and Geodetic Survey field station at Manila. Notice to Mariners is issued as a safety aid, to keep mariners advised of constant changes so they may keep their nautical charts and coast pilots up to date. New charts, new editions of charts, and new publications, are also announced therein.

Coast charts.—Scales from 1:80,000 to 1:100,000. Prepared for close coastwise navigation, when a vessel's course would carry her inside outlying reefs and shoals; also for entering bays and harbors of considerable width and for navigating large inland waterways.

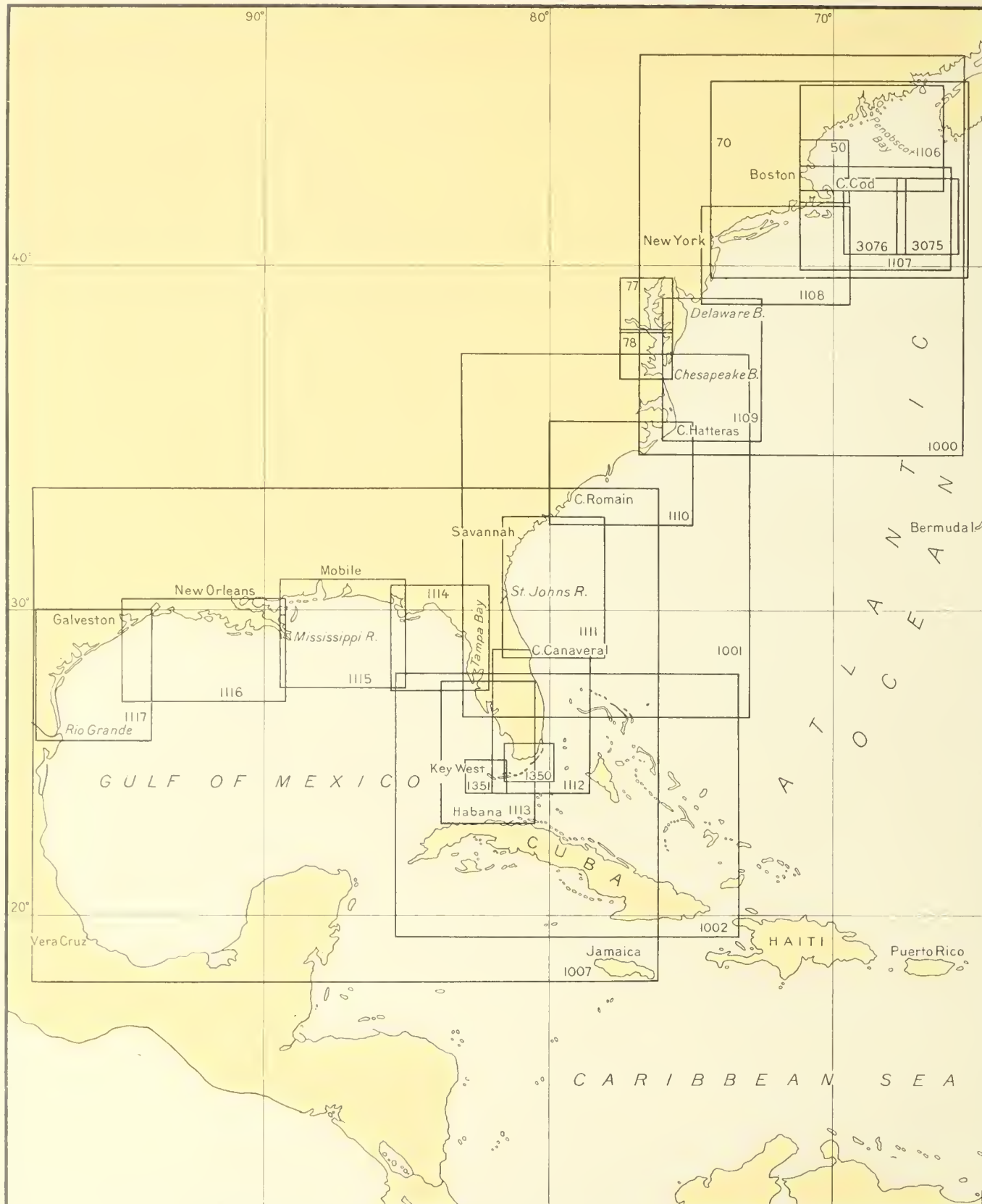
Harbor charts.—Scales from 1:5,000 to 1:40,000. Planned for navigation of harbors and small waterways.

Intracoastal waterways (inside route) charts.—Scales from 1:40,000 to 1:80,000. Embrace the inside route in New Jersey and from Norfolk to Key West.

SCALE EQUIVALENTS

The following table gives the lengths of nautical and statute miles on the several scales named, these scales being the proportionate size of the chart to nature. For example, in scale 1:1,200, the chart is 1:1,200 part of the actual linear dimensions in nature (or 100 feet to the inch), equal to 60.8 inches to a nautical mile, and 52.8 inches to a statute mile.

Scale	Nautical mile		Statute mile	
	Inches	Centimeters	Inches	Centimeters
1:1,200	60.803	154.44	52.800	134.11
1:2,400	30.401	77.22	26.400	67.06
1:4,800	15.201	38.61	13.200	33.53
1:5,000	14.593	37.06	12.672	32.19
1:10,000	7.296	18.53	6.336	16.09
1:15,000	4.864	12.36	4.224	10.73
1:20,000	3.648	9.27	3.168	8.05
1:30,000	2.432	6.18	2.112	5.36
1:40,000	1.824	4.63	1.584	4.02
1:50,000	1.459	3.71	1.267	3.22
1:60,000	1.216	3.09	1.056	2.68
1:80,000	.912	2.32	.792	2.01
1:100,000	.730	1.85	.634	1.61
1:200,000	.365	.93	.317	.80
1:400,000	.182	.46	.158	.40
1:1,000,000	.073	.18	.063	.16
1:1,200,000	.061	.15	.053	.13



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SAILING AND GENERAL CHARTS OF THE ATLANTIC AND GULF COASTS

NAUTICAL CHARTS—Continued

A nautical mile is a minute of an average great circle of the earth, and its length is 6,080 feet, or 1,853.2 meters. A statute mile is 5,280 feet, or 1,608.3 meters. One meter equals 39.37 inches; 1 centimeter equals 0.3937 inch; 1 inch equals 2.54 centimeters.

DATES ON CHARTS

Nautical charts show all necessary corrections as to lights, beacons, buoys, recently discovered wrecks, etc., as of the date of issuance from the Washington, D. C., or Manila, P. I., offices, stamped in the lower right margin opposite the following legend:

LIGHTS, BEACONS, BUOYS, AND DANGERS CORRECTED FOR
INFORMATION RECEIVED TO DATE OF ISSUE (DATE)

Other dates, although of less importance, are necessary for the identification of the chart and should be understood. The **authority note** gives the dates (years) of the surveys (made by the United States Coast and Geodetic Survey unless otherwise stated) and reads:

AUTHORITIES
SURVEYS (DATE)

SURVEYS BY U. S. ENGINEERS (DATE)

When a **new nautical chart** is issued, the date (month and year) is printed in the **publication note**:

PUBLISHED AT WASHINGTON, D. C. (OR) MANILA, P. I. (DATE)
BY THE U. S. COAST AND GEODETIC SURVEY

L. O. COLBERT, *Director*

This note is located in a central position below the border and remains unchanged until extensive corrections accumulate. The date is then changed and the chart reissued as a **new edition**. Mariners are accordingly warned against using obsolete charts.

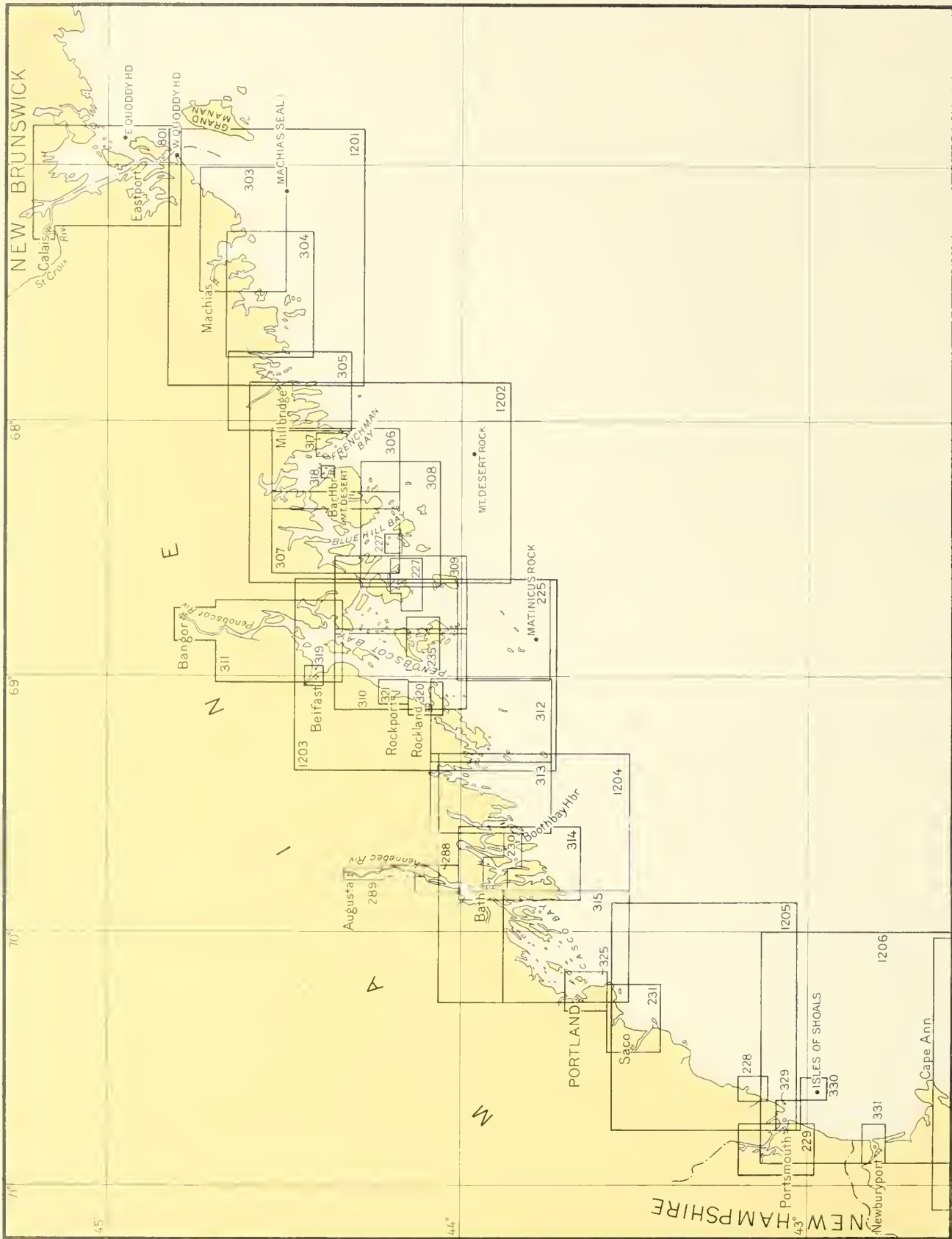
When a correction, not of sufficient importance to require a new edition, is made to a chart plate, the year, month, and day are noted below the border in the left-hand corner of the chart in the following manner: 19-6/30, 7/22, 20-2/3, 5/27.

All important corrections occurring subsequent to the date of issue are announced in the weekly **Notice to Mariners** and should be immediately applied by hand by the chart purchaser.

The other notes on the chart should be read, as they may relate to navigation aids or to dangers which can not be clearly charted. Other details which can not be shown on nautical charts, appear in **United States Coast Pilots** or **Intracoastal Waterways Pilots** for the area covered.

SAILING AND GENERAL CHARTS OF THE ATLANTIC AND GULF COASTS

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
SAILING CHARTS					
1000	\$0.75	Cape Sable to Cape Hatteras.....	1:1, 200, 000	33×41	May 1937
1001	.75	Chesapeake Bay to Straits of Florida.....	1:1, 198, 000	33×41	July 1932
1002	.75	Straits of Florida and approaches.....	1:1, 197, 000	33×41	June 1933
1007	.75	Gulf of Mexico.....	1:2, 195, 000	34×42	June 1933
70	.75	West Quoddy Head to New York.....	1:684, 000	34×44	Jan. 1935
GENERAL CHARTS					
50	.75	Cape Elizabeth to Cape Cod.....	1:210, 220	28×44	Sept. 1934
77	.75	Chesapeake Bay, northern part.....	1:200, 000	32×35	Oct. 1936
78	.75	Chesapeake Bay, southern part.....	1:200, 000	31×32	Mar. 1930
1106	.75	Bay of Fundy to Cape Cod.....	1:384, 000	34×44	June 1933
1107	.75	Georges Bank and Nantucket Shoals.....	1:391, 000	32×46	Mar. 1934
1108	.75	Approaches to New York.....	1:400, 000	32×47	Feb. 1931
1109	.75	Cape May to Cape Hatteras.....	1:415, 000	31×44	Mar. 1938
1110	.75	Cape Hatteras to Charleston Light.....	1:433, 000	31×44	Sept. 1929
1111	.75	Charleston Light to Cape Canaveral.....	1:450, 000	31×43	Jan. 1932
1112	.75	Cape Canaveral to Key West.....	1:470, 000	29×45	Aug. 1932
1113	.75	Habana to Tampa Bay.....	1:471, 000	29×43	Mar. 1933
1114	.75	Tampa Bay to Cape San Blas.....	1:456, 000	29×32	Apr. 1934
1115	.75	Cape St. George to Mississippi Passes.....	1:456, 000	32×39	Feb. 1925
1116	.75	Mississippi River to Galveston.....	1:459, 000	34×48	Aug. 1937
1117	.75	Galveston to the Rio Grande.....	1:461, 000	35×41	Mar. 1919
1350	.75	Florida Keys, Fowey Rocks to American Shoal.....	1:180, 000	33×37	May 1922
1351	.75	Florida Keys, American Shoal to Dry Tortugas.....	1:180, 000	25×38	June 1922
SPECIAL CHARTS FOR FISHING INDUSTRY					
3075	.75	Georges Bank, eastern part.....	1:220, 000	33×40	July 1932
3076	.75	Georges Bank, western part.....	1:220, 000	35×41	July 1934

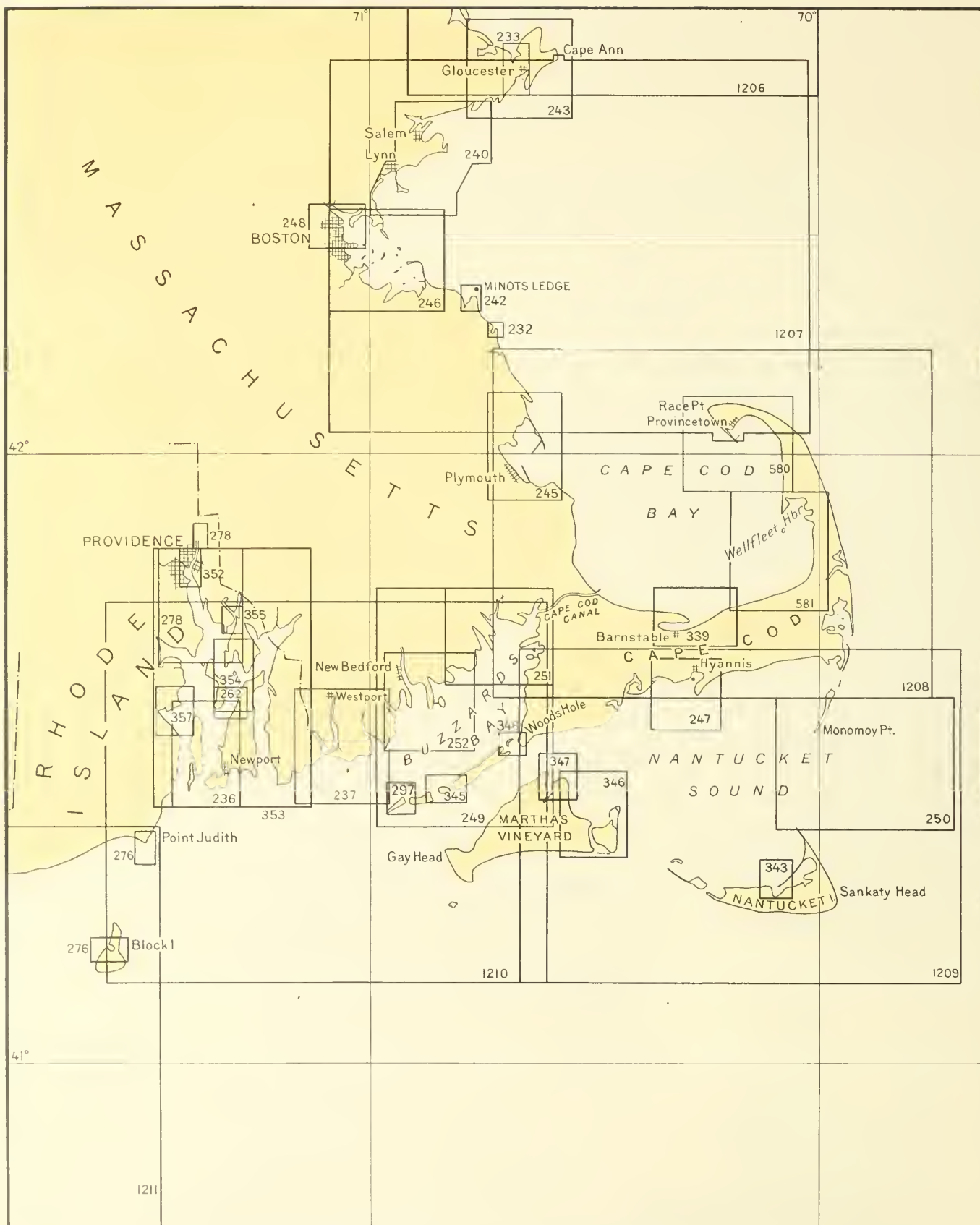


COAST AND HARBOR CHARTS OF THE ATLANTIC COAST

C. & G. S. Print

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
NEW ENGLAND AREA						
225	\$0.50	Approach to Penobscot Bay.....	Maine.....	1:40,000	30×33	May 1915
		Matinicus Harhor.....	do.....	1:5,000		
227	.25	Deer Island Thorofare and Casco Passage.....	do.....	1:20,000	19×33	Oct. 1927
228	.25	Cape Neddick Harhor to York River.....	do.....	1:20,000	16×18	Sept. 1936
229	.50	Portsmouth to Dover and Exeter.....	Me. and N. H.....	1:30,000	23×33	Nov. 1914
230	.50	Boothbay Harbor to Bath.....	Maine.....	1:15,000	26×33	Jan. 1922
231	.75	Saco Bay and vicinity.....	do.....	1:20,000	29×40	June 1929
235	.25	Fox Islands Thorofare.....	do.....	1:20,000	20×32	Oct. 1914
288	.50	Kennebec River, Abagadasset Point to Court House Point.....	do.....	1:15,000	21×34	Oct. 1916
289	.50	Kennebec River, Court House Point to Augusta.....	do.....	1:15,000	22×34	Mar. 1917
303	.75	Moose Cove to Englishman Bay, including Machias Bay.....	do.....	1:40,000	28×39	June 1919
304	.75	Cross Island to Nash Island.....	do.....	1:40,000	27×40	June 1926
305	.75	Nash Island to Schoodic Island.....	do.....	1:40,000	25×39	Mar. 1931
306	.75	Frenchmans Bay and eastern part of Mount Desert Island.....	do.....	1:40,000	26×40	Aug. 1926
307	.75	Blue Hill Bay and western part of Mount Desert Island.....	do.....	1:40,000	25×40	May 1926
308	.75	Blue Hill Bay and Eggemoggin Reach.....	do.....	1:40,000	26×39	Oct. 1931
309	.75	East Penobscot Bay.....	do.....	1:40,000	25×40	Nov. 1931
310	.75	West Penobscot Bay.....	do.....	1:40,000	26×40	Aug. 1937
311	.75	Penobscot River.....	do.....	1:40,000	26×41	June 1932
312	.75	St. George River and Muscle Ridge Channel.....	do.....	1:40,000	26×38	July 1929
313	.75	Damariscotta and Medomak Rivers.....	do.....	1:40,000	26×39	July 1933
314	.75	Kennebec and Sheepscot Rivers.....	do.....	1:40,000	24×39	Feb. 1935
315	.75	Casco Bay.....	do.....	1:40,000	35×41	Apr. 1933
317	.25	Winter Harbor.....	do.....	1:20,000	15×19	Sept. 1919
318	.25	Bar Harbor, Mount Desert Island.....	do.....	1:10,000	13×16	May 1926
319	.25	Belfast Harbor.....	do.....	1:20,000	12×14	May 1917
320	.25	Rockland Harbor.....	do.....	1:20,000	21×22	July 1937
321	.25	Camden and Rockport Harbors.....	do.....	1:20,000	15×18	Sept. 1933
325	.50	Portland Harbor.....	do.....	1:20,000	26×29	July 1936
329	.50	Portsmouth Harbor.....	Me. and N. H.....	1:10,000	30×33	Aug. 1923
330	.25	Isles of Shoals.....	do.....	1:20,000	15×18	Jan. 1930
331	.25	Newburyport Harbor.....	Massachusetts.....	1:20,000	17×25	Nov. 1937
801	.75	Calais to West Quoddy Head.....	Maine.....	1:40,000	31×46	Dec. 1919
1201	.75	Quoddy Roads to Petit Manan Island.....	do.....	1:80,000	31×41	Apr. 1921
1202	.75	Frenchman and Blue Hill Bays, and approaches.....	do.....	1:80,000	32×41	May 1932
1203	.75	Penobscot Bay and approaches.....	do.....	1:80,000	32×42	June 1936
1204	.75	Monbegan Island to Cape Elizabeth.....	do.....	1:80,000	31×40	Dec. 1931
1205	.75	Cape Elizabeth to Portsmouth.....	Me. and N. H.....	1:80,000	30×37	Dec. 1930
1206	.75	Portsmouth to Cape Ann.....	N. H. and Mass.....	1:80,000	32×38	Sept. 1929

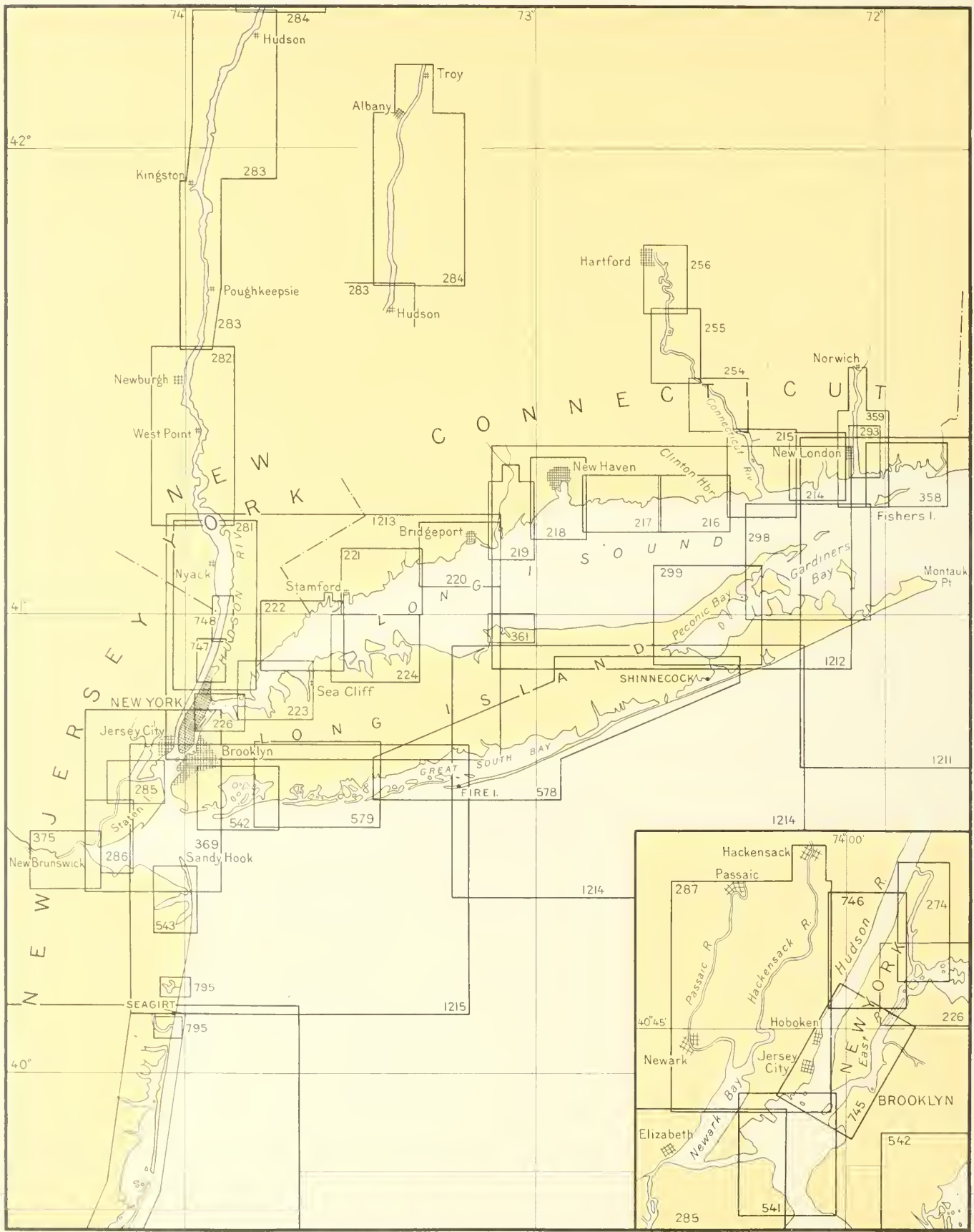


COAST AND HARBOR CHARTS OF THE ATLANTIC COAST – CONTINUED

C. & G. S. Print

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
NEW ENGLAND AREA—continued						
232	\$0.25	Scituate Harbor.....	Massachusetts.....	1:5,000	16×20	Oct. 1936
233	.50	Gloucester Harbor and Annisquam River.....	do.....	1:10,000	22×42	July 1938
236	.50	Newport Harbor and entrance to Narragansett Bay.....	Rhode Island.....	1:20,000	25×37	Aug. 1937
237	.75	Westport River and approaches.....	do.....	1:20,000	35×43	Apr. 1937
240	.75	Salem and Lynn Harbors.....	Massachusetts.....	1:20,000	35×42	Feb. 1936
242	.50	Cohasset Harbor.....	do.....	1:5,000	26×31	Aug. 1937
243	.75	Ipswich Bay to Gloucester Harbor.....	do.....	1:20,000	34×39	July 1938
		Rockport Inner Harbor.....	do.....	1:5,000		
245	.75	Harbors of Plymouth, Kingston, and Duxbury.....	Massachusetts.....	1:20,000	28×38	Apr. 1932
246	.75	Boston Harbor.....	do.....	1:20,000	34×44	May 1936
247	.50	Hyannis Harbor.....	do.....	1:20,000	26×27	Sept. 1933
248	.75	Boston Inner Harbor.....	do.....	1:10,000	33×41	Feb. 1938
249	.75	Buzzards Bay.....	do.....	1:40,000	33×43	July 1937
250	.50	Eastern entrance to Nantucket Sound.....	do.....	1:40,000	25×34	Feb. 1938
251	.75	Head of Buzzards Bay.....	do.....	1:20,000	33×41	May 1937
252	.75	New Bedford Harbor and approaches.....	do.....	1:20,000	34×35	June 1937
262	.25	Narragansett Bay Eastern Passage, Carrs Point to Sandy Point.....	Rhode Island.....	1:10,000	22×23	Feb. 1933
276	.50	Harbors of Refuge at Point Judith and Block Island.....	do.....	1:10,000	20×44	Sept. 1935
278	.75	Providence River and Head of Narragansett Bay.....	do.....	1:20,000	31×38	Aug. 1937
		Seekonk River, Continuation to Pawtucket.....	do.....	1:20,000		
297	.25	Cuttyhunk Harbor.....	Massachusetts.....	1:10,000	19×22	July 1937
339	.25	Barnstable Harbor.....	do.....	1:20,000	16×23	June 1937
343	.50	Nantucket Harbor.....	do.....	1:10,000	25×30	Apr. 1936
345	.25	Robinsons Hole and Quicks Hole.....	do.....	1:10,000	19×25	Oct. 1922
346	.50	Edgartown Harbor, Marthas Vineyard.....	do.....	1:20,000	25×32	Apr. 1936
347	.50	Vineyard Haven.....	do.....	1:10,000	27×36	Aug. 1937
348	.25	Woods Hole.....	do.....	1:10,000	14×21	Jan. 1936
352	.25	Providence Harbor.....	Rhode Island.....	1:10,000	16×20	Oct. 1935
353	.75	Narragansett Bay.....	do.....	1:40,000	31×46	June 1937
354	.25	Bristol Harbor and approaches.....	do.....	1:20,000	14×27	Jan. 1934
355	.25	Warren River.....	do.....	1:10,000	15×20	Aug. 1932
357	.25	Wickford Harbor, Narragansett Bay.....	do.....	1:20,000	15×18	Aug. 1935
580	.75	Provincetown Harbor.....	Massachusetts.....	1:20,000	33×42	Apr. 1934
581	.25	Wellfleet Harbor.....	do.....	1:40,000	21×25	Mar. 1936
1207	.75	Massachusetts Bay.....	do.....	1:80,000	34×44	June 1935
1208	.75	Cape Cod Bay.....	do.....	1:80,000	32×41	Nov. 1936
1209	.75	Nantucket Sound and Approaches.....	do.....	.80,000	31×42	Nov. 1933
1210	.75	Marthas Vineyard to Block Island, including Buzzards and Narragansett Bays.....	Mass. and R. I.....	1:80,000	34×42	Mar. 1937
1211	.75	Block Island Sound and approaches.....	R. I., Conn., and N. Y.....	1:80,000	34×40	Mar. 1936



COAST AND HARBOR CHARTS OF THE ATLANTIC COAST - CONTINUED

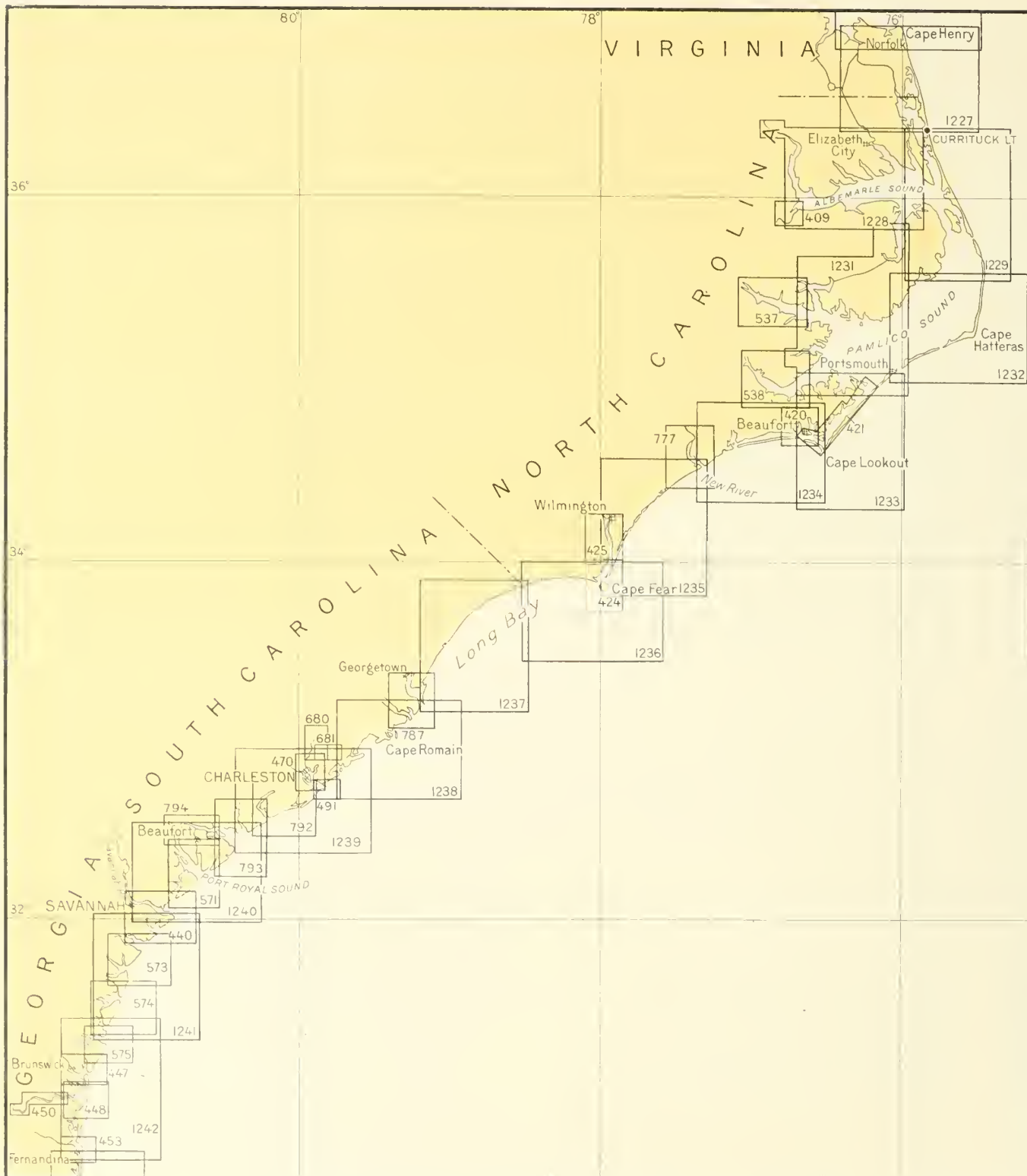
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COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
LONG ISLAND AREA						
214	\$0.50	Goshen Point to Hatchett Point, including Niantic Bay.....	Connecticut.....	1:20,000	28×31	July 1925
215	.75	Connecticut River, entrance to Deep River.....	do.....	1:20,000	33×40	June 1937
216	.50	Duck Island to Madison Reef.....	do.....	1:20,000	27×35	Oct. 1936
217	.50	Guilford Harbor to East Haven River.....	do.....	1:20,000	27×37	Aug. 1935
218	.75	New Haven Harbor.....	do.....	1:20,000	28×37	Dec. 1937
219	.50	Milford to Stratford including Housatonic River.....	do.....	1:20,000	22×36	Dec. 1935
220	.75	Stratford to Sherwood Point.....	do.....	1:20,000	32×40	Oct. 1937
221	.75	Sherwood Point to Stamford Harbor.....	do.....	1:20,000	32×39	Mar. 1938
222	.75	Greenwich Point to New Rochelle.....	Conn. and N. Y.....	1:20,000	33×43	June 1936
223	.75	Long Island Sound and East River (Hempstead Harbor to Tallman Is.).....	L. I., N. Y.....	1:20,000	28×36	Jan. 1937
224	.75	Oyster and Huntington Bays.....	do.....	1:20,000	33×43	Oct. 1932
226	.75	East River, Tallman Island to Queensboro Bridge.....	do.....	1:10,000	30×44	Dec. 1937
254	.50	Connecticut River, Deep River to Higganum.....	Connecticut.....	1:20,000	26×29	Apr. 1938
255	.50	Connecticut River, Higganum to Rocky Hill.....	do.....	1:20,000	24×37	July 1937
256	.50	Connecticut River, Rocky Hill to Hartford.....	do.....	1:20,000	20×36	Sept. 1937
274	.25	Harlem River.....	New York.....	1:10,000	16×41	Oct. 1935
281	.50	Hudson River—New York to Haverstraw.....	N. Y. and N. J.....	1:40,000	20×41	June 1935
282	.50	Hudson River—Haverstraw to Newburgh.....	New York.....	1:40,000	20×43	Nov. 1935
283	.75	Hudson River—Poughkeepsie to Hudson.....	do.....	1:40,000	30×41	Aug. 1936
284	.50	Hudson River—Coxsackie to Troy.....	do.....	1:40,000	20×41	Aug. 1935
285	.75	Kill Van Kull and Northern Part of Arthur Kill.....	N. Y. and N. J.....	1:15,000	32×37	July 1937
286	.75	Raritan Bay and Southern Part of Arthur Kill.....	do.....	1:15,000	29×44	Feb. 1936
287	.75	Passaic and Hackensack Rivers.....	New Jersey.....	1:20,000	28×41	Aug. 1937
293	.75	New London Harbor and Naval Reservation.....	Connecticut.....	1:10,000	30×45	July 1937
		Thames River—New London to Naval Reservation.....	do.....	1:5,000		
298	.50	Gardiners Bay, Long Island.....	New York.....	1:40,000	29×31	Oct. 1935
299	.25	Peconic Bay, Long Island.....	do.....	1:40,000	25×27	Nov. 1935
		Mattituck Inlet.....	do.....	1:10,000		
358	.75	Fishers Island Sound.....	R. I., Conn., and N. Y.....	1:20,000	28×41	June 1937
359	.75	Thames River—Harbor of New London and approaches.....	Connecticut.....	1:20,000	25×42	June 1935
361	.75	Port Jefferson and Mount Sinai Harbors.....	New York.....	1:10,000	29×39	May 1937
369	.75	New York Harbor.....	N. Y. and N. J.....	1:40,000	34×44	July 1937
375	.50	Raritan River, Raritan Bay to New Brunswick.....	New Jersey.....	1:20,000	25×34	Sept. 1937
541	.75	New York Harbor, Upper Bay and Narrows (anchorage chart).....	N. Y. and N. J.....	1:10,000	34×44	Feb. 1938
542	.75	Jamaica Bay and Rockaway Inlet.....	New York.....	1:20,000	31×40	July 1937
543	.50	Shrewshury River.....	New Jersey.....	1:20,000	22×32	Aug. 1937
578	.75	Inland Waters, Shinnecock Bay to Great South Bay.....	L. I., N. Y.....	1:40,000	34×45	Feb. 1938
579	.25	Hempstead Bay.....	do.....	1:40,000	20×30	June 1938
745	.75	Hudson and East Rivers from West 67th Street to Blackwells Island.....	N. Y. and N. J.....	1:10,000	31×46	Aug. 1936
746	.75	Hudson River, Days Point to Fort Washington Point.....	do.....	1:10,000	28×41	Mar. 1938
747	.75	Hudson River, Fort Washington Point to Yonkers.....	do.....	1:10,000	25×44	July 1935
748	.75	Hudson River—Yonkers to Piermont.....	do.....	1:10,000	22×45	Aug. 1932
795	.50	Sbark and Manasquan Rivers.....	New Jersey.....	1:10,000	24×34	May 1937
1211	.75	Block Island Sound and approaches.....	R. I., Conn., and N. Y.....	1:80,000	34×40	Mar. 1936
1212	.75	Long Island Sound, eastern part.....	Conn. and N. Y.....	1:80,000	28×44	Sept. 1936
1213	.75	Long Island Sound, western part.....	do.....	1:80,000	30×40	May 1938
1214	.75	Shinnecock Light to Fire Island Light.....	New York.....	1:80,000	31×43	May 1938
1215	.75	Approaches to New York, Fire Island Light to Sea Girt Light.....	N. Y. and N. J.....	1:80,000	33×41	May 1938

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
CHESAPEAKE AND DELAWARE BAYS AREA						
234	\$0.25	Cape May Harbor.....	New Jersey.....	1:10,000	18×25	Jan. 1938
280	.75	Philadelphia and Camden waterfronts.....	Pa. and N. J.....	1:15,000	34×41	May 1937
294	.75	Delaware River—Bombay Hook to Wilmington.....	N. J. and Del.....	1:40,000	29×45	Oct. 1934
295	.75	Delaware River—Wilmington to Philadelphia.....	N. J. and Pa.....	1:40,000	32×43	Oct. 1936
296	.50	Delaware River—Philadelphia to Trenton.....	do.....	1:40,000	28×33	July 1936
		Trenton.....	do.....	1:20,000		
379	.25	Cape Henlopen and the Delaware Breakwater.....	Delaware.....	1:20,000	21×27	Jan. 1938
400	.75	Hampton Roads.....	Virginia.....	1:20,000	34×41	Nov. 1931
452	.75	Norfolk Harbor and Elizabeth River.....	do.....	1:20,000	33×41	Feb. 1935
481	.75	Cape Henry to Thimble Shoal Light.....	do.....	1:20,000	29×43	Apr. 1936
492	.75	York River, Below Kings Creek.....	do.....	1:20,000	32×46	Mar. 1938
494	.75	York River, entrance to Yorktown.....	do.....	1:40,000	32×41	Feb. 1933
495	.75	York River, Yorktown to Westpoint.....	do.....	1:40,000	31×40	Aug. 1931
501	.75	Pamunkey and Mattaponi Rivers.....	do.....	1:40,000	34×41	Mar. 1936
529	.75	James River, Newport News to Jamestown.....	do.....	1:40,000	34×40	Aug. 1937
530	.50	James River, Jamestown Island to Jordan Point.....	do.....	1:40,000	21×41	Aug. 1932
531	.75	James River, Jordan Point to Richmond.....	do.....	1:20,000	31×41	Apr. 1938
534	.75	Rappahannock River Entrance and Great Wicomico River.....	do.....	1:40,000	33×42	Apr. 1933
535	.75	Rappahannock River—Towles Point to Marsh Point.....	do.....	1:40,000	33×40	Oct. 1932
536	.75	Rappahannock River—Marsh Point to Fredericksburg.....	do.....	1:20,000	32×41	Sept. 1935
539	.75	Patuxent River.....	Maryland.....	1:40,000	32×38	Sept. 1934
545	.75	Baltimore Harbor.....	do.....	1:15,000	30×40	June 1938
548	.75	Chester River.....	do.....	1:40,000	33×34	Dec. 1935
		Kent Island Narrows.....	do.....	1:10,000		
549	.75	Approaches to Baltimore Harbor.....	do.....	1:40,000	33×39	May 1938
550	.75	Chesapeake Bay—Herring Bay to Magothy River.....	do.....	1:40,000	29×43	June 1935
557	.75	Potomac River, entrance to Piney Point.....	Md. and Va.....	1:40,000	35×40	Sept. 1930
558	.75	Potomac River, Piney Point to Lower Cedar Point.....	do.....	1:40,000	34×45	Aug. 1935
559	.75	Potomac River, Lower Cedar Point to Mattawoman Creek.....	do.....	1:40,000	30×39	July 1935
560	.75	Potomac River, Mattawoman Creek to Georgetown.....	Md., Va., and D. C.....	1:40,000	29×40	Dec. 1936
		Washington Harbor.....	do.....	1:20,000		
566	.75	Chesapeake Bay—Thomas Point to Sandy Point.....	Maryland.....	1:20,000	32×34	Aug. 1935
567	.75	Wicomico River.....	do.....	1:20,000	34×44	July 1934
570	.50	Chesapeake and Delaware Canal.....	Md. and Del.....	1:20,000	22×34	May 1938
795	.50	Shark and Manasquan Rivers.....	New Jersey.....	1:10,000	24×34	May 1937
1216	.75	Sea Girt Light to Little Egg Inlet.....	do.....	1:80,000	33×39	May 1938
1217	.75	Little Egg Inlet to Hereford Inlet.....	New Jersey.....	1:80,000	32×41	Aug. 1937
		Absecon Inlet.....	do.....	1:40,000		
1218	.75	Delaware Bay.....	N. J. and Del.....	1:80,000	31×38	July 1937
1219	.75	Cape May to Fenwick Island Light.....	do.....	1:80,000	32×38	June 1938
1220	.75	Fenwick Island Light to Chincoteague Inlet.....	Md. and Va.....	1:80,000	33×38	May 1937
1221	.75	Chincoteague Inlet to Hog Island Light.....	Virginia.....	1:80,000	31×41	June 1937
1222	.75	Chesapeake Bay Entrance.....	do.....	1:80,000	33×43	May 1937
1223	.75	Chesapeake Bay—Wolf Trap to Smith Point.....	Md. and Va.....	1:80,000	31×39	Mar. 1932
1224	.75	Chesapeake Bay—Smith Point to Cove Point.....	do.....	1:80,000	30×41	Jan. 1934
1225	.75	Chesapeake Bay—Cove Point to Sandy Point.....	Maryland.....	1:80,000	35×38	July 1935
1226	.75	Chesapeake Bay—Sandy Point to Head of Bay.....	do.....	1:80,000	34×38	July 1938
3243	.25	Coast of New Jersey (Inside) Manasquan to Cape May.....	New Jersey.....	1:80,000	24×29	Oct. 1935

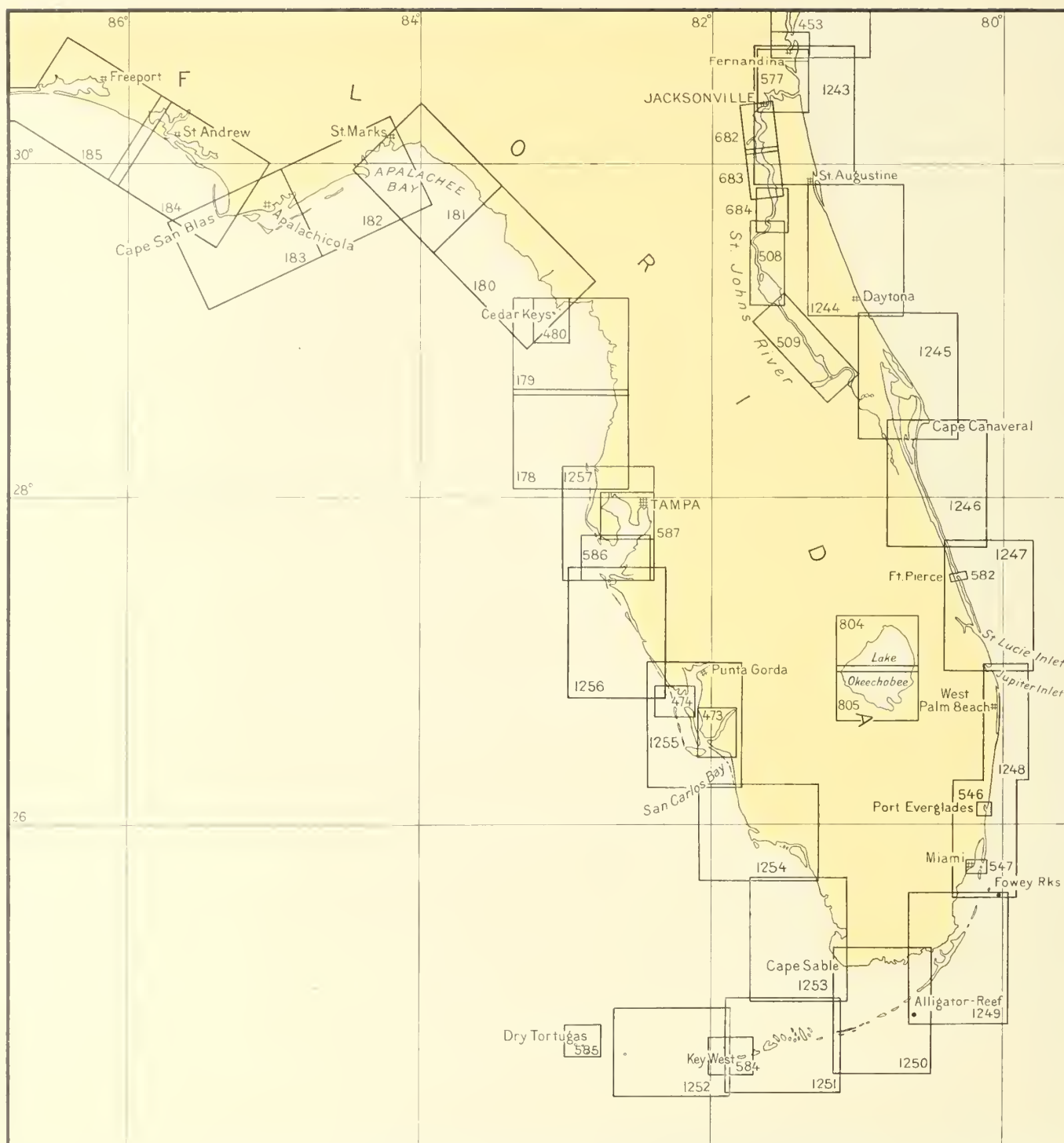


COAST AND HARBOR CHARTS OF THE ATLANTIC COAST – CONTINUED

C & G S. Print

COAST AND HARBOR CHARTS OF THE ATLANTIC COAST—Continued

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
VIRGINIA TO GEORGIA						
409	.25	Mouths of Roanoke River.....	North Carolina.....	1:30,000	19×21	Aug. 1929
420	.25	Beaufort Inlet.....	do.....	1:40,000	23×24	Feb. 1937
421	.25	Core Sound and Straits.....	do.....	1:40,000	20×33	June 1931
424	.50	Cape Fear River from entrance to Reaves Point.....	do.....	1:40,000	25×30	July 1938
425	.50	Cape Fear River from Reaves Point to Wilmington.....	do.....	1:40,000	25×31	May 1938
440	.75	Savannah River and Wassaw Sound.....	S. C. and Ga.....	1:40,000	33×44	May 1938
447	.25	St. Simon Sound, Brunswick Harbor, and Turtle River.....	Georgia.....	1:40,000	19×34	Feb. 1937
448	.25	St. Andrew Sound.....	do.....	1:40,000	24×29	Oct. 1926
450	.75	Satilla River, Bailey Cut to Burnt Fort.....	do.....	1:20,000	30×43	Mar. 1920
453	.50	Fernandina Harbor.....	Florida.....	1:20,000	25×39	June 1938
470	.75	Charleston Harbor.....	South Carolina.....	1:20,000	33×42	Apr. 1936
491	.50	Charleston Harbor Entrance.....	do.....	1:20,000	27×36	Dec. 1936
537	.75	Pamlico River.....	North Carolina.....	1:40,000	30×41	Sept. 1937
538	.75	Neuse River and upper part of Bay River.....	do.....	1:40,000	34×42	Nov. 1921
571	.75	Port Royal Sound and inland passages.....	South Carolina.....	1:40,000	33×42	Oct. 1936
573	.75	Ossabaw Sound and St. Catherine's Sound.....	Georgia.....	1:40,000	31×43	Oct. 1937
574	.75	Sapelo and Doboy Sounds.....	do.....	1:40,000	33×43	May 1927
575	.25	Altamaha Sound.....	do.....	1:40,000	19×31	Mar. 1938
680	.75	Cooper River above Goose Creek.....	South Carolina.....	1:20,000	29×44	Feb. 1931
681	.25	Wando River, Upper Part.....	do.....	1:20,000	14×26	Jan. 1938
777	.75	New River.....	North Carolina.....	1:40,000	29×39	Apr. 1935
787	.50	Winyah Bay.....	South Carolina.....	1:40,000	28×34	—1938
792	.75	Stono and North Edisto Rivers.....	do.....	1:40,000	34×40	Apr. 1938
793	.75	St. Helena Sound.....	do.....	1:40,000	30×43	Sept. 1937
794	.25	Parts of Coosaw and Broad Rivers.....	do.....	1:40,000	19×36	Jan. 1937
1227	.75	Cape Henry to Currituck Beach Light.....	Va. and N. C.....	1:80,000	32×41	Oct. 1937
1228	.75	Albemarle Sound.....	North Carolina.....	1:80,000	31×42	May 1937
1229	.75	Currituck Beach to Wimble Shoals.....	do.....	1:80,000	32×46	Aug. 1936
1231	.75	Pamlico Sound, western part.....	do.....	1:80,000	34×42	Nov. 1936
1232	.75	Cape Hatteras, Wimble Shoals to Ocracoke Inlet.....	do.....	1:80,000	32×42	Dec. 1928
1233	.75	Portsmouth Island to Beaufort, including Cape Lookout Shoals.....	do.....	1:80,000	34×42	Feb. 1932
		Lookout Bight.....		1:20,000		
1234	.75	Cape Lookout to New River.....	North Carolina.....	1:80,000	31×39	June 1937
1235	.75	New River Inlet to Cape Fear.....	do.....	1:80,000	33×42	—1938
1236	.75	Approaches to Cape Fear River.....	do.....	1:80,000	31×44	Jan. 1938
1237	.75	Little River Inlet to Winyah Bay Entrance.....	South Carolina.....	1:80,000	33×41	Apr. 1938
1238	.75	Winyah Bay Entrance to Isle of Palms.....	do.....	1:80,000	32×42	May 1938
1239	.75	Charleston Harbor and Approaches.....	do.....	1:80,000	32×43	July 1930
1240	.75	St. Helena Sound to Savannah River.....	S. C. and Ga.....	1:80,000	33×41	Jan. 1933
1241	.75	Tybee Island to Doboy Sound.....	Georgia.....	1:80,000	33×40	Jan. 1928
1242	.75	Doboy Sound to Fernandina.....	Georgia and Florida.....	1:80,000	33×41	Nov. 1931



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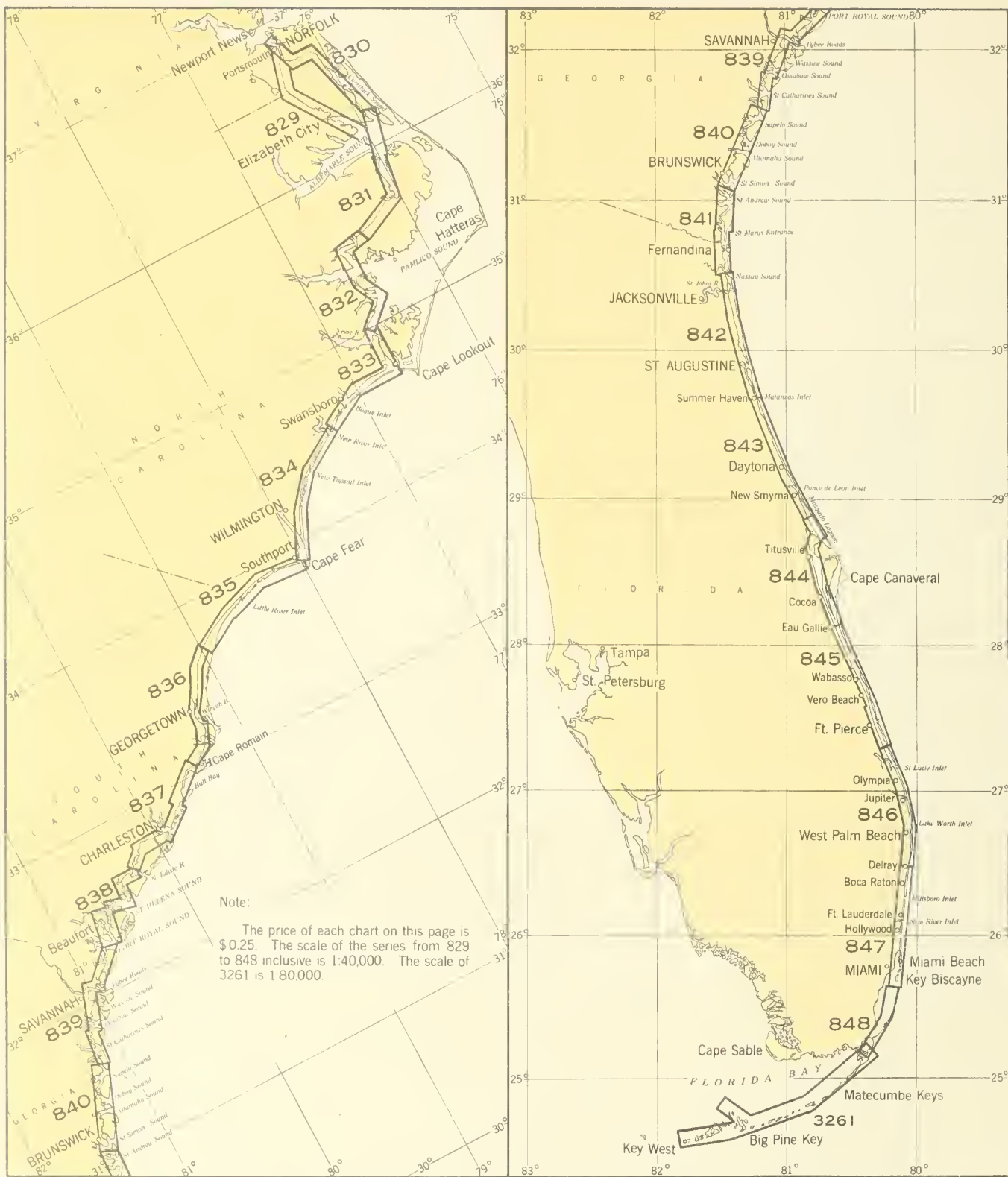
COAST AND HARBOR CHARTS OF THE ATLANTIC AND GULF COASTS

COAST AND HARBOR CHARTS OF THE ATLANTIC AND GULF COASTS

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
GEORGIA AND FLORIDA COASTS						
178	\$0.75	St. Joseph Sound to Wall Creek, including Anclote Anchorage.....	Florida.....	1:80,000	34×40	June 1928
179	.75	Wall Creek to Cedar Keys.....	do.....	1:80,000	34×40	Jan. 1931
180	.75	Cedar Keys to Deadman's Bay.....	do.....	1:80,000	33×43	Dec. 1930
181	.75	Apalachee Bay.....	do.....	1:80,000	33×42	Sept. 1915
182	.75	Apalachee Bay and St. George Sound.....	do.....	1:80,000	33×41	Feb. 1935
183	.75	Apalachicola Bay to Cape San Blas.....	do.....	1:80,000	33×41	June 1933
184	.75	St. Joseph and St. Andrew Bays.....	do.....	1:80,000	33×41	May 1935
185	.75	Choctawhatchee Bay.....	do.....	1:80,000	33×41	Feb. 1935
453	.50	Fernandina Harbor.....	Florida and Georgia.....	1:20,000	25×39	June 1938
473	.50	San Carlos Bay and Caloosahatchee River.....	Florida.....	1:40,000	28×35	Apr. 1930
474	.25	Main entrance to Charlotte Harbor.....	do.....	1:40,000	22×27	July 1933
480	.25	Cedar Keys.....	do.....	1:50,000	19×26	Dec. 1930
508	.50	St. Johns River, Palatka to Lake George.....	do.....	1:40,000	27×33	June 1927
509	.50	St. Johns River, Lake George to Lake Harney.....	do.....	1:40,000	32×33	Oct. 1928
546	.75	Port Everglades.....	do.....	1:5,000	32×37	Dec. 1936
547	.75	Miami Harbor.....	do.....	1:10,000	24×45	Mar. 1936
577	.75	Fernandina to Jacksonville.....	do.....	1:40,000	33×41	Mar. 1938
582	.25	Fort Pierce Harbor.....	do.....	1:10,000	14×28	Mar. 1938
584	.75	Key West Harbor and approaches.....	do.....	1:30,000	34×42	Apr. 1938
585	.50	Dry Tortugas.....	do.....	1:30,000	28×34	Dec. 1922
		Tortugas Harbor.....		1:10,000		
586	.75	Tampa Bay, Southern Part.....	Florida.....	1:40,000	30×42	Mar. 1935
587	.75	Tampa Bay, Northern Part.....	do.....	1:40,000	32×36	Dec. 1936
		St. Petersburg.....		1:20,000		
		Tampa.....		1:20,000		
682	.25	St. Johns River, from Jacksonville to Hibernia.....	Florida.....	1:40,000	21×32	Apr. 1927
683	.25	St. Johns River, from Hibernia to Racy Point.....	do.....	1:40,000	21×32	Oct. 1900
684	.25	St. Johns River, from Tocoi to San Mateo.....	do.....	1:40,000	21×29	Jan. 1933
804	.75	Lake Okeechobee, Northern Half.....	do.....	1:50,000	29×43	Aug. 1937
805	.75	Lake Okeechobee, Southern Half.....	do.....	1:50,000	29×43	Aug. 1937
1243	.75	Amelia Island to St. Augustine.....	do.....	1:80,000	32×45	July 1934
1244	.75	St. Augustine Light to Ponce de Leon Inlet Light.....	do.....	1:80,000	32×45	Feb. 1930
1245	.75	Ponce de Leon Inlet to Cape Canaveral.....	do.....	1:80,000	33×43	Sept. 1931
1246	.75	Cape Canaveral to Bethel Shoal.....	do.....	1:80,000	33×43	July 1932
1247	.75	Bethel Shoal to Jupiter Inlet.....	do.....	1:80,000	33×45	July 1932
1248	.75	Jupiter Inlet to Fowey Rocks.....	do.....	1:80,000	33×38	Aug. 1937
1249	.75	Fowey Rocks to Alligator Reef.....	do.....	1:80,000	33×45	Nov. 1937
1250	.75	Florida Keys, Alligator Reef to Sombrero Key.....	do.....	1:80,000	34×41	Sept. 1937
1251	.75	Florida Keys, Sombrero Key to Sand Key.....	do.....	1:80,000	33×42	July 1932
1252	.75	Sand Key to Rebecca Shoal.....	do.....	1:80,000	31×41	July 1933
1253	.75	East Cape to Mormon Key.....	do.....	1:80,000	33×42	May 1932
1254	.75	Chatham River to Clam Pass.....	do.....	1:80,000	32×42	Oct. 1931
1255	.75	Estero Bay to Lemon Bay, including Charlotte Harbor.....	do.....	1:80,000	32×42	Nov. 1929
1256	.75	Lemon Bay to Passage Key Inlet.....	do.....	1:80,000	32×44	May 1928
1257	.75	Tampa Bay and St. Joseph Sound.....	do.....	1:80,000	33×40	June 1935

COAST AND HARBOR CHARTS OF THE GULF COAST

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
PENSACOLA TO THE RIO GRANDE						
413	.50	Pensacola Bay Entrance.....	Florida.....	1:10,000	27×36	May 1937
490	.75	Pensacola Bay.....	do.....	1:30,000	33×41	Sept. 1937
517	.75	Sabine Pass and Lake.....	Louisiana and Texas.....	1:40,000	25×44	Dec. 1937
520	.50	Galveston Bay Entrance.....	Texas.....	1:30,000	20×35	Sept. 1937
533	.50	Sabine and Neches Rivers.....	do.....	1:40,000	17×42	July 1937
588	.75	Houston Ship Channel, Atkinson Island to Alexander Island.....	do.....	1:10,000	30×41	Jan. 1937
589	.75	Houston Ship Channel, Alexander Island to Carpenter Bayou.....	do.....	1:10,000	32×34	Mar. 1937
590	.75	Houston Ship Channel, Carpenter Bayou to Houston.....	do.....	1:10,000	32×44	Dec. 1933
591	.75	Calcasieu Lake.....	Louisiana.....	1:40,000	27×42	Oct. 1935
592	.50	Lake Charles to Sabine River.....	do.....	1:40,000	27×33	Oct. 1935
593	.50	Freeport Harbor.....	Texas.....	1:20,000	27×33	— 1938
1050	.75	New Orleans to Atchafalaya Bay.....	Louisiana.....	1:175,000	33×38	— 1938
1051	.75	Atchafalaya Bay to Calcasieu Pass.....	do.....	1:175,000	21×42	— 1938
1265	.75	Pensacola Bay and approaches.....	Florida.....	1:80,000	31×42	Nov. 1937
1266	.75	Mobile Bay and Entrance.....	Alabama.....	1:80,000	32×41	Oct. 1936
		Mobile Ship Channel, northern end.....	do.....	1:25,000	—	—
1267	.75	Mississippi Sound and approaches, Dauphin Island to Cat Island.....	Ala. and Miss.....	1:80,000	27×41	Sept. 1933
1268	.75	Lake Borgne and approaches, Cat Island to Point Aux Herbes.....	Miss. and La.....	1:80,000	30×40	Dec. 1933
1269	.75	Lake Pontchartrain and Maurepas.....	Louisiana.....	1:80,000	30×42	Jan. 1934
1270	.75	Chandeleur and Breton Sounds.....	do.....	1:80,000	32×43	Feh. 1924
1271	.75	Mississippi River, Buras to New Orleans.....	do.....	1:80,000	30×37	Jan. 1925
1272	.75	Mississippi River Delta.....	do.....	1:80,000	33×42	Oct. 1935
1273	.75	Barataria Bay and approaches.....	do.....	1:80,000	33×41	May 1938
1274	.75	Timbalier and Terrebonne Bays.....	do.....	1:80,000	33×42	July 1938
1275	.75	Isles Dernieres to Point au Fer.....	do.....	1:80,000	33×42	May 1938
1276	.75	Point au Fer to Marsh Island.....	do.....	1:80,000	31×44	— 1938
1277	.75	Vermilion Bay and approaches.....	do.....	1:80,000	33×44	— 1938
1278	.75	Rollover Bayou to Calcasieu Pass.....	do.....	1:80,000	33×43	Jan. 1937
1279	.75	Calcasieu Pass to Sabine Pass.....	Louisiana and Texas.....	1:80,000	33×42	Dec. 1937
1280	.75	Sabine Bank to East Bay, including Heald Bank.....	Texas.....	1:80,000	31×42	Nov. 1967
1282	.75	Galveston Bay and approaches.....	do.....	1:80,000	32×43	Oct. 1937
1283	.75	San Luis Pass to Matagorda Bay.....	do.....	1:80,000	32×44	Apr. 1938
1284	.75	Matagorda Bay and approaches.....	do.....	1:80,000	32×42	May 1922
1285	.75	Matagorda Light to Aransas Pass.....	do.....	1:80,000	33×42	Mar. 1937
1286	.75	Aransas Pass to Baffin Bay.....	do.....	1:80,000	32×39	July 1936
		Aransas Pass.....	do.....	1:40,000	—	—
1287	.75	Northern part of Laguna Madre.....	do.....	1:80,000	32×41	Jan. 1923
1288	.75	Southern part of Laguna Madre.....	do.....	1:80,000	32×41	Dec. 1933



INTRACOASTAL WATERWAYS (INSIDE ROUTE) CHARTS – NORFOLK TO KEY WEST

CHARTS COVERING THE INTRACOASTAL WATERWAYS (INSIDE ROUTE)—NEW YORK TO KEY WEST

Arranged in order of progression southward

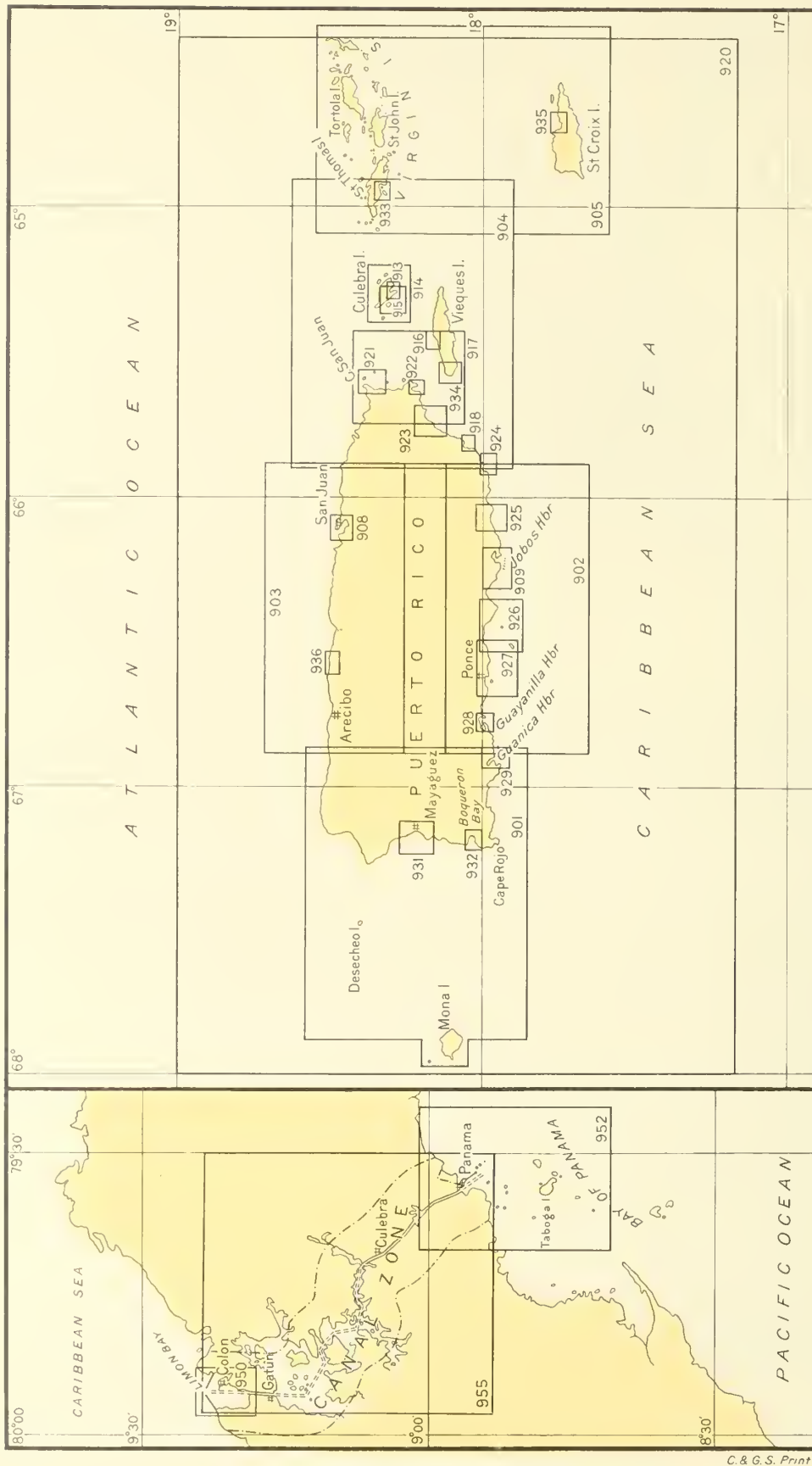
See Intracoastal Waterways (Inside Route) Pilots, listed on page 52

NEW YORK TO NORFOLK

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
The following coast and harbor charts, listed with others on pp. 9, and 11, are relisted here as those best suited for this section of the route. For diagrams see pp. 2, 8, and 10.					
369	\$0.75	New York Harbor, N. Y. and N. J.	1:40,000	34×44	July 1937
1215	.75	Approaches to New York, Fire Island Light to Sea Girt Light, N. Y. and N. J.	1:80,000	33×41	May 1938
3243	.25	Coast of New Jersey (inside) Manasquan to Cape May.	1:80,000	24×29	Oct. 1935
1218	.75	Delaware Bay, N. J. and Del.	1:80,000	31×38	July 1937
294	.75	Delaware River—Bombay Hook to Wilmington, N. J. and Del.	1:40,000	29×45	Oct. 1934
570	.50	Chesapeake and Delaware Canal, Md. and Del.	1:20,000	22×34	May 1938
1226	.75	Chesapeake Bay—Sandy Point to Head of Bay, Md.	1:80,000	34×38	July 1938
1225	.75	Chesapeake Bay—Cove Point to Sandy Point, Md.	1:80,000	35×38	July 1935
1224	.75	Chesapeake Bay—Smith Point to Cove Point, Md. and Va.	1:80,000	30×41	Jan. 1934
1223	.75	Chesapeake Bay—Wolf Trap to Smith Point, Md. and Va.	1:80,000	31×39	Mar. 1932
1222	.75	Chesapeake Bay Entrance, Va.	1:80,000	33×43	May 1937

NORFOLK TO KEY WEST

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
The following series of intracoastal waterways (inside route) charts show the route in strips of convenient widths, with 3 strips to each sheet.					
829	\$0.25	Dismal Swamp Canal, Norfolk to Albemarle Sound, Va. and N. C.	1:40,000	22×34	May 1938
830	.25	Norfolk to North River, Va. and N. C.	1:40,000	22×34	Apr. 1938
831	.25	North River to Alligator River, Pungo River Canal, N. C.	1:40,000	22×34	Oct. 1937
832	.25	Alligator River, Pungo River Canal to Neuse River, N. C.	1:40,000	22×34	Jan. 1938
833	.25	Neuse River to New River Inlet, N. C.	1:40,000	22×34	Sept. 1937
834	.25	New River Inlet to Southport, N. C.	1:40,000	22×34	Feb. 1936
835	.25	Southport to Longitude 78°58' N. C. and S. C.	1:40,000	22×34	Jan. 1936
836	.25	Longitude 78°58' to McClellanville, S. C.	1:40,000	22×34	Sept. 1937
837	.25	McClellanville to Wadmalaw River, S. C.	1:40,000	22×34	Dec. 1936
838	.25	Wadmalaw River to Port Royal Sound, S. C.	1:40,000	22×34	May 1936
839	.25	Port Royal Sound to Johnson Creek, S. C. and Ga.	1:40,000	22×34	Sept. 1937
840	.25	Johnson Creek to Brunswick River, Ga.	1:40,000	22×34	May 1937
841	.25	Brunswick River to Nassau Sound, Ga. and Fla.	1:40,000	22×34	Apr. 1937
842	.25	Nassau Sound to Matanzas Inlet, Fla.	1:40,000	22×34	Feb. 1937
843	.25	Matanzas Inlet to Mosquito Lagoon, Fla.	1:40,000	22×34	Feb. 1937
844	.25	Mosquito Lagoon to Eau Gallie, Fla.	1:40,000	22×34	Jan. 1936
845	.25	Eau Gallie to Walton, Fla.	1:40,000	22×34	June 1938
846	.25	Walton to Delray Beach, Fla.	1:40,000	22×34	Feb. 1938
847	.25	Delray Beach to Cape Florida, Fla.	1:40,000	22×34	Nov. 1936
848	.25	Cape Florida to Blackwater Sound, Fla.	1:40,000	22×34	Aug. 1937
3261	.25	Barnes Sound to Key West, Fla.	1:80,000	22×34	Oct. 1937
Charts showing more detail than the above are published for some sections of the route. Of these, the following listed on pp. 11, 13, and 15 are relisted here as especially valuable to supplement the special series. For diagrams see pp. 10, 12, and 14.					
452	.75	Norfolk Harbor and Elizabeth River, Va.	1:20,000	33×41	Feb. 1935
421	.25	Core Sound and Straits, N. C.	1:40,000	20×33	June 1931
538	.75	Neuse River and upper part of Bay River, N. C.	1:40,000	34×42	Nov. 1921
420	.25	Beaufort Inlet, N. C.	1:40,000	23×24	Feb. 1937
440	.75	Savannah River and Wassaw Sound, S. C. and Ga.	1:40,000	33×44	May 1938
546	.75	Port Everglades, Fla.	1:5,000	32×37	Dec. 1936
547	.75	Miami Harbor, Fla.	1:10,000	34×45	Mar. 1936
577	.75	Fernandina to Jacksonville, Fla.	1:40,000	33×41	Mar. 1938
582	.25	Fort Pierce Harbor, Fla.	1:10,000	14×28	Mar. 1938
584	.75	Key West Harbor and approaches, Fla.	1:30,000	34×42	Apr. 1938
794	.25	Parts of Coosaw and Broad Rivers, S. C.	1:40,000	19×36	Jan. 1937

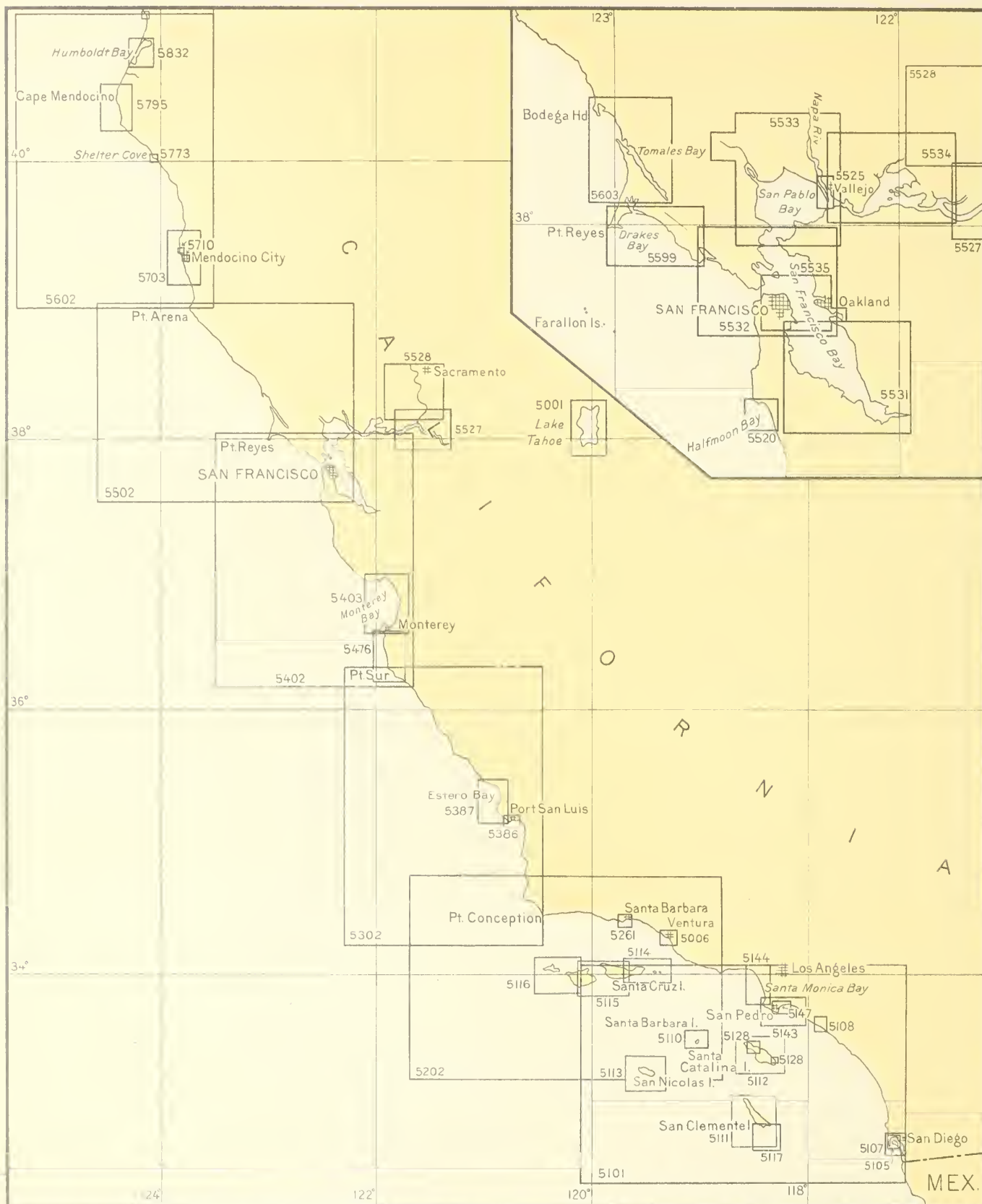


CHARTS OF PUERTO RICO, VIRGIN ISLANDS AND THE CANAL ZONE

C. & G. S. Print

CHARTS OF PUERTO RICO, VIRGIN ISLANDS, AND THE CANAL ZONE

No.	Price	TITLE	Island	Approximate scale	Size of border (inches)	Date
GENERAL CHART						
920	\$0. 75	Puerto Rico and Virgin Islands (West Indies).....		1:325,000	26×47	Apr. 1931
COAST AND HARBOR CHARTS OF PUERTO RICO AND VIRGIN ISLANDS						
901	. 75	West Coast of Puerto Rico.....		1:100,000	33×43	Sept. 1910
902	. 75	South Coast of Puerto Rico.....		1:100,000	31×43	Aug. 1929
903	. 75	North Coast of Puerto Rico.....		1:100,000	31×42	Jan. 1930
		Porto Arecibo.....		1:20,000		
904	. 75	Virgin Passage and Vieques Sound.....		1:100,000	31×42	Nov. 1930
905	. 75	Virgin Islands, Virgin Gorda to St. Thomas and St. Croix.....		1:100,000	32×43	Feb. 1934
908	. 75	San Juan Harbor.....	Puerto Rico.....	1:10,000	33×39	Oct. 1935
909	. 50	Jobos Harbor.....	do.....	1:20,000	29×33	Mar. 1909
913	. 75	Great Harbor.....	Culebra.....	1:6,500	31×38	Nov. 1923
914	. 75	Culebra Island and approaches.....		1:20,000	32×43	Dec. 1924
915	. 50	Target Bay and vicinity.....	Culebra.....	1:10,000	25×37	Dec. 1923
916	. 25	Port Mulas and approaches.....	Vieques.....	1:10,000	23×26	Nov. 1930
917	. 75	San Juan Passage to Port Humacao and western part of Vieques Island.....		1:40,000	34×41	May 1930
918	. 25	Port Yabucoa.....	Puerto Rico.....	1:10,000	19×20	Apr. 1938
921	. 75	Fajardo Harbor and approaches.....	do.....	1:10,000	32×41	Dec. 1930
922	. 25	Ensenada Honda.....	do.....	1:10,000	24×25	Feb. 1934
923	. 25	Point Lima to Batata Cay.....	do.....	1:20,000	22×24	Aug. 1929
924	. 25	Port Maunabo.....	do.....	1:20,000	19×20	Aug. 1929
925	. 25	Port Arroyo.....	do.....	1:20,000	20×26	June 1929
926	. 75	Point Petrona to Muertos Island.....	do.....	1:20,000	33×38	Nov. 1929
927	. 75	Ponce Harbor and approaches.....	do.....	1:20,000	33×39	Jan. 1933
928	. 75	Guayanilla Harbor.....	do.....	1:10,000	34×36	Nov. 1933
929	. 75	Guanica Harbor.....	do.....	1:10,000	31×36	Sept. 1921
931	. 75	Mayaguez Bay and approaches.....	do.....	1:15,000	31×35	Jan. 1933
932	. 25	Boqueron Bay.....	do.....	1:10,000	23×24	Jan. 1905
933	. 25	Harbor of St. Thomas.....	West Indies.....	1:10,000	23×28	Mar. 1936
934	. 25	West Coast of Vieques Island.....		1:10,000	23×24	Oct. 1929
935	. 50	Christiansted Harbor.....	Saint Croix.....	1:10,000	25×32	July 1929
936	. 50	Vicinity of Point Palmas Altas.....	Puerto Rico.....	1:10,000	26×36	Oct. 1929
CHARTS OF THE CANAL ZONE						
950	. 75	Port of Cristobal, Panama Canal.....		1:15,000	28×35	Dec. 1937
952	. 75	Approaches to Panama Canal, Pacific coast.....		1:40,000	28×37	Apr. 1934
955	. 75	Panama Canal.....		1:60,000	34×39	Oct. 1934
		Miraflores Lake.....		1:20,000		

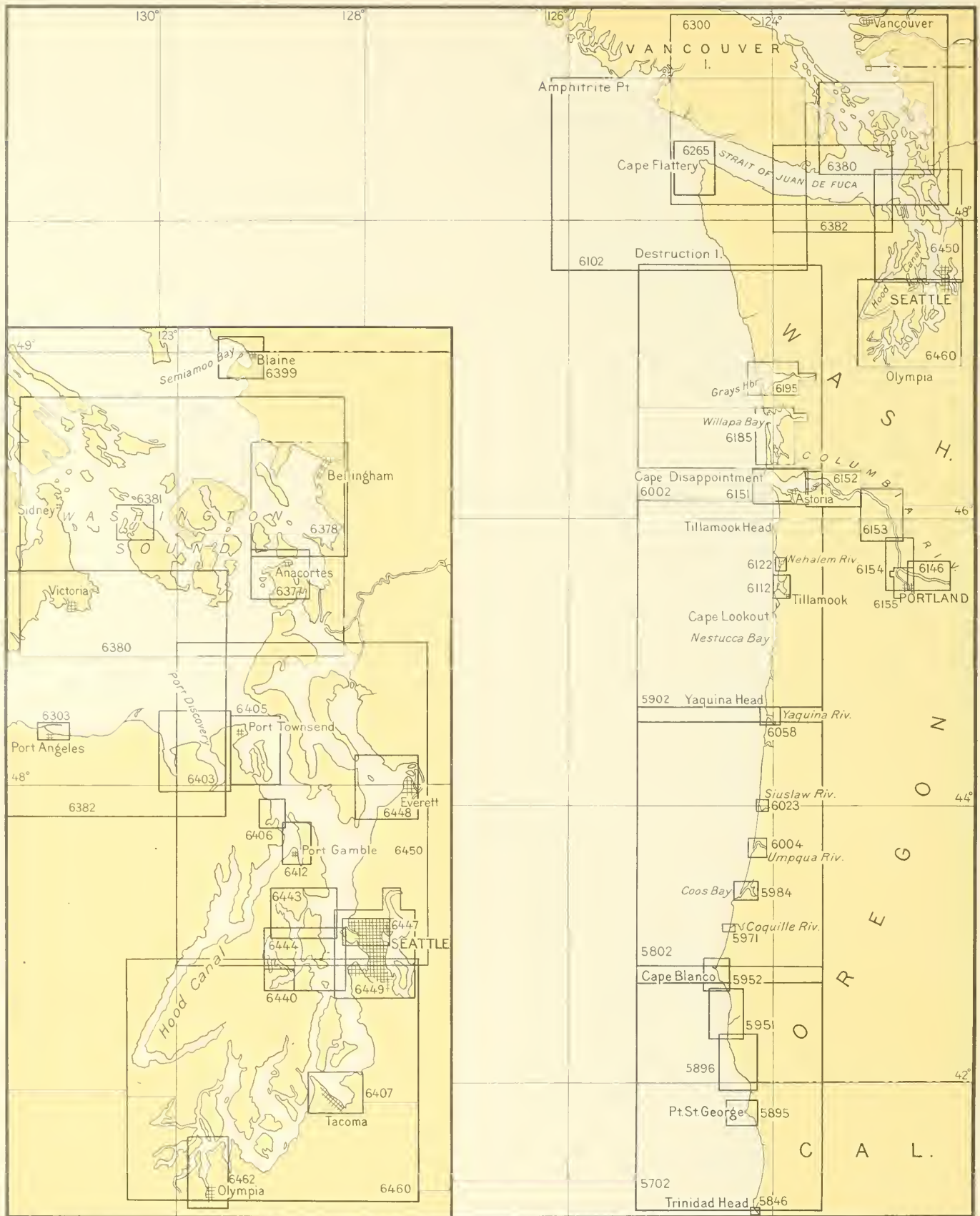


GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST

GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST

[Sailing Charts listed on page 27]

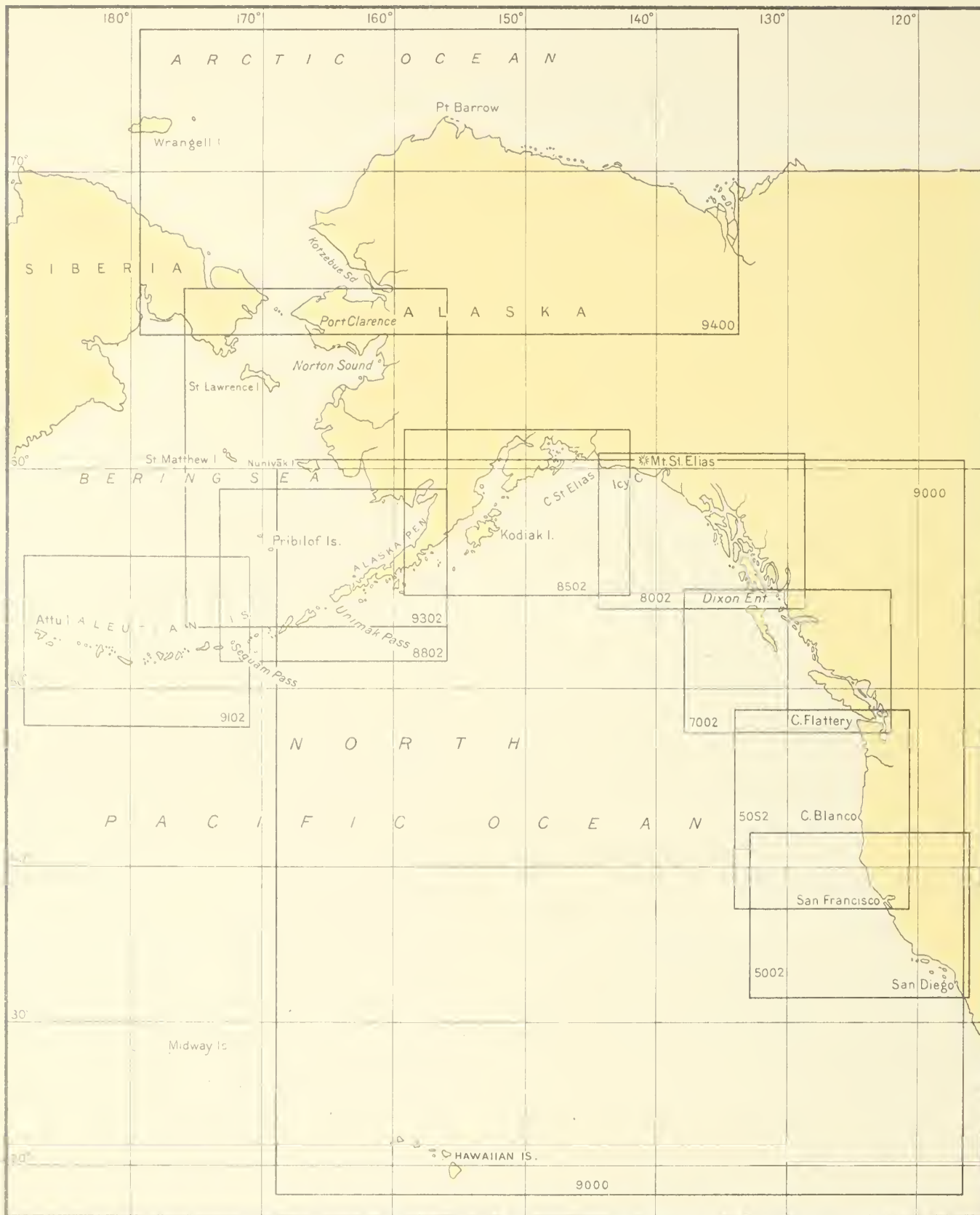
No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
SAN DIEGO TO HUMBOLDT BAY						
5006	\$0.25	Ventura.....	California.....	1:20,000	19×19	Apr. 1935
5101	.75	San Diego to Santa Rosa Island.....	do.....	1:235,100	33×48	Aug. 1937
5105	.75	San Diego Bay.....	do.....	1:10,000	34×44	Feb. 1937
5107	.75	San Diego Bay.....	do.....	1:20,000	33×37	Mar. 1937
5108	.75	Newport Bay.....	do.....	1:10,000	28×37	Oct. 1936
5110	.75	Santa Barbara Island.....	do.....	1:20,000	32×37	Mar. 1935
5111	.75	San Clemente Island.....	do.....	1:40,000	33×39	July 1936
		Wilson Cove.....		1:5,000		
		Northwest Harbor.....		1:20,000		
5112	.75	Santa Catalina Island.....	California.....	1:40,000	27×38	Feb. 1936
5113	.75	San Nicolas Island.....	do.....	1:40,000	30×41	Mar. 1936
5114	.50	Anacapa Passage.....	do.....	1:40,000	22×37	Feb. 1937
		Prisoners Harbor.....		1:20,000		
5115	.75	Santa Cruz Channel.....	California.....	1:40,000	27×42	May 1937
5116	.75	San Miguel Passage.....	do.....	1:40,000	28×39	Feb. 1937
		Cuyler Harbor.....		1:20,000		
5117	.75	Pyramid Cove and Approaches, San Clemente Island.....	California.....	1:15,000	33×45	Apr. 1938
5128	.25	Catalina Harbor, Isthmus Cove and Avalon Bay.....	do.....	1:10,000	22×27	Oct. 1935
5143	.50	Los Angeles Harbor and vicinity.....	do.....	1:40,000	25×37	Jan. 1936
5144	.50	Santa Monica Bay.....	do.....	1:40,000	22×34	Dec. 1935
5147	.75	Los Angeles and Long Beach Harbors.....	do.....	1:12,000	33×44	Jan. 1937
5202	.75	Point Dume to Purisima Point.....	do.....	1:220,000	30×46	May 1937
5261	.25	Santa Barbara.....	do.....	1:20,000	20×27	Aug. 1935
5302	.75	Point Conception to Point Sur.....	do.....	1:216,000	31×44	June 1937
5386	.25	San Luis Obispo Bay and approaches.....	do.....	1:20,000	17×26	Aug. 1937
5387	.50	Estero Bay.....	do.....	1:40,000	21×36	Mar. 1938
5402	.75	Point Sur to San Francisco.....	do.....	1:210,000	32×40	Aug. 1935
5403	.75	Monterey Bay.....	do.....	1:50,000	29×38	July 1935
5476	.75	Pfeiffer Point to Cypress Point.....	do.....	1:40,000	26×42	Feb. 1935
5502	.75	San Francisco to Point Arena.....	do.....	1:208,000	32×40	Feb. 1934
5520	.25	Halfmoon Bay.....	do.....	1:20,000	18×20	Feb. 1935
5525	.50	Mare Island Strait.....	do.....	1:10,000	23×35	Jan. 1938
5527	.75	San Joaquin River.....	do.....	1:40,000	35×46	Mar. 1936
5528	.75	Sacramento River—Andrus Island Sacramento.....	do.....	1:40,000	31×43	Jan. 1936
5531	.75	San Francisco Bay, southern part.....	do.....	1:40,000	33×41	Mar. 1934
5532	.75	San Francisco Entrance.....	do.....	1:40,000	33×41	Nov. 1937
5533	.75	San Pablo Bay.....	do.....	1:40,000	33×41	Jan. 1934
5534	.75	Suisun Bay.....	do.....	1:40,000	28×41	Apr. 1935
5535	.75	San Francisco Bay, Candlestick Point to Angel Island, continuation to Oakland Airport.....	do.....	1:20,000	34×44	Nov. 1937
5599	.25	Drakes Bay.....	do.....	1:40,000	19×30	Mar. 1934
5602	.75	Point Arena to Trinidad Head.....	do.....	1:203,000	32×46	Jan. 1938
		Rockport Landing.....		1:10,000		
5603	.75	Bodega and Tomales Bays.....	California.....	1:30,000	33×42	Nov. 1934
5703	.75	Greenwood to Fort Bragg.....	do.....	1:40,000	27×43	Dec. 1936
		Russian Gulch Landing.....		1:10,000		
		Fort Bragg Landing.....		1:10,000		
		Greenwood Landing.....		1:10,000		
		Approaches to Albion.....		1:10,000		
5710	.25	Caspar Anchorage and Mendocino Bay.....	California.....	1:10,000	19×27	Aug. 1935
5773	.25	Shelter Cove.....	do.....	1:15,000	12×14	Mar. 1938
5795	.50	Cape Mendocino and vicinity.....	do.....	1:40,000	25×38	Mar. 1938
5832	.50	Humboldt Bay.....	do.....	1:30,000	25×30	Apr. 1938
INLAND CHART						
5001	.75	Lake Tahoe.....	Calif.-Nev.....	1:40,000	28×43	July 1923



GENERAL, COAST AND HARBOR CHARTS OF THE PACIFIC COAST - CONTINUED

GENERAL, COAST, AND HARBOR CHARTS OF THE PACIFIC COAST—Continued

No.	Price	TITLE	State	Approximate scale	Size of border (inches)	Date
TRINIDAD HEAD TO VANCOUVER, B. C.						
5702	\$0.75	Trinidad Head to Cape Blanco.....	Calif. and Oreg.....	1:197,000	31×41	July 1930
5802	.75	Cape Blanco to Yaquina Head.....	Oregon.....	1:191,000	31×46	Dec. 1937
5846	.25	Trinidad Harbor.....	California.....	1:15,000	14×18	July 1935
5895	.25	St. George Reef and Crescent City Harbor.....	do.....	1:40,000	24×25	Sept. 1936
		Crescent City Harbor.....		1:10,000		
5896	.75	Pyramid Point to Cape Sebastian.....	Oreg. and Calif.....	1:40,000	33×43	Nov. 1934
		Chetco Cove.....		1:10,000		
		Hunter Cove.....		1:10,000		
5902	.75	Yaquina Head to Columbia River.....	Oreg. and Wash.....	1:185,000	31×41	Apr. 1934
5951	.75	Cape Sebastian to Humbug Mountain.....	Oregon.....	1:40,000	29×41	Oct. 1934
5952	.25	Cape Blanco and Reef.....	do.....	1:40,000	21×27	Feb. 1935
5971	.25	Coquille River entrance.....	do.....	1:10,000	19×33	Aug. 1937
5984	.75	Coos Bay.....	do.....	1:20,000	29×38	Oct. 1937
6002	.75	Columbia River to Destruction Island.....	Oreg. and Wash.....	1:181,000	32×39	Aug. 1935
6004	.25	Umpqua River, entrance bar to Reedsport.....	Oregon.....	1:20,000	24×28	Mar. 1937
6023	.25	Siuslaw River.....	do.....	1:20,000	17×18	Jan. 1937
6058	.50	Yaquina River and approaches.....	do.....	1:20,000	26×30	Mar. 1937
6102	.75	Approaches to Strait of Juan de Fuca, Destruction Island to Amphitrite Point.....	Wash. and B. C.....	1:176,000	32×42	Mar. 1935
6112	.50	Tillamook Bay.....	Oregon.....	1:20,000	26×32	Nov. 1933
6122	.25	Nehalem River.....	do.....	1:20,000	16×19	Oct. 1936
6146	.50	Columbia River—Vancouver to Reed Island.....	Oreg. and Wash.....	1:40,000	23×34	Feb. 1937
6151	.75	Columbia River—Entrance to Harrington Point.....	do.....	1:40,000	25×41	Mar. 1938
6152	.75	Columbia River—Harrington Point to Crims Island.....	do.....	1:40,000	25×43	July 1938
6153	.75	Columbia River—Crims Island to Saint Helens.....	do.....	1:40,000	33×39	Sept. 1937
6154	.50	Columbia River—Saint Helens to Willamette River, including Vancouver and Portland.....	do.....	1:40,000	20×41	Sept. 1937
6155	.75	Port of Portland, including Vancouver.....	do.....	1:20,000	25×44	Oct. 1937
		Multnomah Channel, southern part.....		1:10,000		
6185	.75	Willapa Bay.....	Washington.....	1:40,000	30×43	June 1937
6195	.50	Grays Harbor and continuation of Chehalis River.....	do.....	1:40,000	25×39	Oct. 1937
6265	.75	Cape Flattery.....	do.....	1:40,000	30×40	July 1934
6300	.75	Georgia Strait and Strait of Juan de Fuca.....	Wash. and B. C.....	1:200,000	28×42	Nov. 1934
6303	.25	Port Angeles, Strait of Juan de Fuca.....	Washington.....	1:10,000	19×31	Nov. 1934
6377	.25	Anacortes Harbor, Washington Sound.....	do.....	1:40,000	13×16	Sept. 1936
6378	.50	Bellingham Bay.....	do.....	1:40,000	26×31	June 1935
6380	.75	Strait of Juan de Fuca to Georgia Strait.....	Wash. and B. C.....	1:80,000	34×42	May 1935
6381	.75	Roche Harbor and approaches.....	Washington.....	1:10,000	33×37	Aug. 1914
6382	.75	Strait of Juan de Fuca, Eastern Part.....	Wash. and B. C.....	1:80,000	32×44	Feb. 1935
6399	.25	Semiamoo Bay, Georgia Strait.....	Washington.....	1:30,000	14×16	Aug. 1925
6403	.25	Port Discovery and Washington Harbor.....	do.....	1:40,000	19×22	Jan. 1936
6405	.50	Port Townsend.....	do.....	1:20,000	26×36	Feb. 1938
6406	.25	Port Ludlow.....	do.....	1:10,000	23×26	Jan. 1937
6407	.50	Tacoma Harbor.....	do.....	1:15,000	26×36	June 1938
6412	.25	Port Gamble, Hood Canal.....	do.....	1:20,000	16×23	Dec. 1936
6440	.25	Sinclair Inlet.....	do.....	1:10,000	23×32	June 1937
6443	.50	Port Orchard, northern part, Puget Sound.....	do.....	1:20,000	27×34	Aug. 1937
6444	.75	Port Orchard, southern part, Puget Sound.....	do.....	1:20,000	33×44	Jan. 1938
6447	.75	Lake Washington Ship Canal, Puget Sound to Lake Washington.....	do.....	1:10,000	29×44	May 1937
6448	.25	Everett Harbor and approaches.....	do.....	1:40,000	17×18	Mar. 1935
6449	.75	Seattle Harbor and Lake Washington.....	do.....	1:25,000	32×40	May 1937
6450	.75	Admiralty Inlet, and Puget Sound to Seattle.....	do.....	1:80,000	33×42	Oct. 1937
6460	.75	Puget Sound, Seattle to Olympia.....	do.....	1:80,000	32×39	May 1935
6462	.50	Olympia Harbor and Budd Inlet.....	do.....	1:20,000	20×37	July 1938



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SAILING CHARTS, PACIFIC COAST, AND SAILING AND HARBOR CHARTS, ALASKA

SAILING CHARTS, PACIFIC COAST AND ALASKA

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
SAILING CHARTS					
5002	\$0.75	San Diego to Point St. George.....	1:1,499,000	32×41	Nov. 1936
5052	.75	San Francisco to Cape Flattery.....	1:1,301,000	33×38	Nov. 1932
7002	.75	Cape Flattery to Dixon Entrance.....	1:1,198,000	29×40	Nov. 1937
8002	.75	Dixon Entrance to Cape St. Elias.....	1:1,000,000	31×40	June 1936
8502	.75	Cape St. Elias to Shumagin Islands.....	1:1,000,000	33×42	Aug. 1935
8802	.75	Alaska Peninsula and Aleutian Islands to Segum Pass.....	1:999,000	33×42	Dec. 1937
9000	.75	San Diego to Bering Sea and Hawaiian Islands.....	1:4,500,000	34×37	Apr. 1934
9102	.75	Aleutian Islands, Amukta Island to Attu Island.....	1:999,000	32×42	June 1937
9302	.75	Bering Sea, eastern part.....	1:1,600,000	30×38	June 1937
9400	.75	Arctic Coast of Alaska.....	1:1,600,000	26×44	July 1928

GENERAL CHARTS AND HARBOR CHARTS, ALASKA

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
DIXON ENTRANCE TO SUMNER STRAIT					
8053	\$0.75	Portland Canal, Dixon Entrance to Hattie Island.....	1:80,000	31×43	July 1936
8054	.25	Portland Canal, north of Hattie Island.....	1:80,000	13×39	Apr. 1936
8074	.50	Harbors in Clarence Strait.....		22×39	June 1938
		Niblack Anchorage and Port Chester.....	1:20,000		
		Tamgas Harbor.....	1:40,000		
		Chasina Anchorage.....	1:10,000		
8075	.75	Revillagigedo Channel.....	1:80,000	33×42	July 1936
8076	.25	Harbors in Clarence Strait.....		21×25	Sept. 1922
		North Arm of Moira Sound.....	1:20,000		
		Port Johnson and Dolomi Bay.....	1:20,000		
		Lyman Anchorage.....	1:10,000		
8078	.75	Behm Canal, eastern part.....	1:79,000	25×43	Mar. 1934
8079	.75	Behm Canal, western part.....	1:79,000	27×35	Dec. 1933
		Yes Bay.....	1:40,000		
8085	.25	Seal Cove, Nichols Passage.....	1:5,000	17×22	Mar. 1935
8094	.75	Tongass Narrows.....	1:30,000	32×36	Dec. 1931
8095	.75	Ketchikan Harbor.....	1:10,000	31×36	July 1934
8102	.75	Hecate Strait to Etolin Island, including Behm and Portland Canals.....	1:229,000	33×41	Mar. 1935
8120	.75	Harbors in southeastern Alaska.....		27×43	Apr. 1935
		Ryus Bay, Duke Island.....	1:10,000		
		Marble Passage, southern part and approaches, Davidson Inlet.....	1:20,000		
		Tokeen Bay Entrance, Davidson Inlet.....	1:20,000		
		Hunter Bay and approaches, Prince of Wales Island.....	1:20,000		
		Burnett Inlet, Etolin Island.....	1:20,000		
		Port Santa Cruz, Suemez Island.....	1:20,000		
		Rose Inlet, Dall Island.....	1:20,000		
		Nakat Harbor, Nakat Inlet.....	1:20,000		
8124	.50	Harbor charts, Clarence Strait and Behm Canal.....		28×28	Oct. 1932
		Naha, Tolstoi, and Union Bays.....	1:40,000		
		Ratz Harbor, Prince of Wales Island.....	1:10,000		
		Dewey Anchorage, Etolin Island.....	1:20,000		
8141	.75	Portland Inlet to Nakat Bay.....	1:40,000	32×38	Mar. 1938
8142	.75	Kasaan Bay.....	1:40,000	32×44	Mar. 1927
8145	.75	Kendrick Bay to Shipwreck Point, Prince of Wales Island.....	1:40,000	31×41	Feb. 1923
8146	.75	Southern part of Dall Island.....	1:40,000	28×38	May 1932
8147	.75	North end of Cordova Bay and Hetta Inlet.....	1:40,000	33×41	Aug. 1931
8148	.75	Central part of Dall Island.....	1:40,000	31×36	Feb. 1930
8151	.75	Northern part of Tlevak Strait and Ulloa Channel.....	1:40,000	30×41	Sept. 1929
8152	.75	Dixon Entrance to Chatham Strait.....	1:229,000	31×43	Mar. 1933
8153	.25	Tlevak and Sukkwan Narrows.....	1:20,000	12×21	Jan. 1932
8155	.75	Ulloa Channel to San Christoval Channel.....	1:40,000	30×36	Feb. 1932
		Continuation to the head of Big Salt Lake.....	1:40,000		
		North Entrance.....	1:10,000		
8157	.75	San Christoval Channel to Cape Lynch.....	1:40,000	32×40	June 1929
8158	.75	Baker, Noyes, and Lulu Islands and adjacent waters.....	1:40,000	32×43	Dec. 1923
8161	.75	Ernest Sound, Eastern Passage and Zimovia Strait.....	1:80,000	31×44	Oct. 1924
8171	.75	Davidson Inlet and Sea Otter Sound.....	1:40,000	31×41	Feb. 1932
8173	.75	Southern Entrances to Sumner Strait.....	1:40,000	31×45	Mar. 1929
8201	.75	Etolin Island to Midway Islands, including Sumner Strait.....	1:219,200	32×43	Feb. 1937

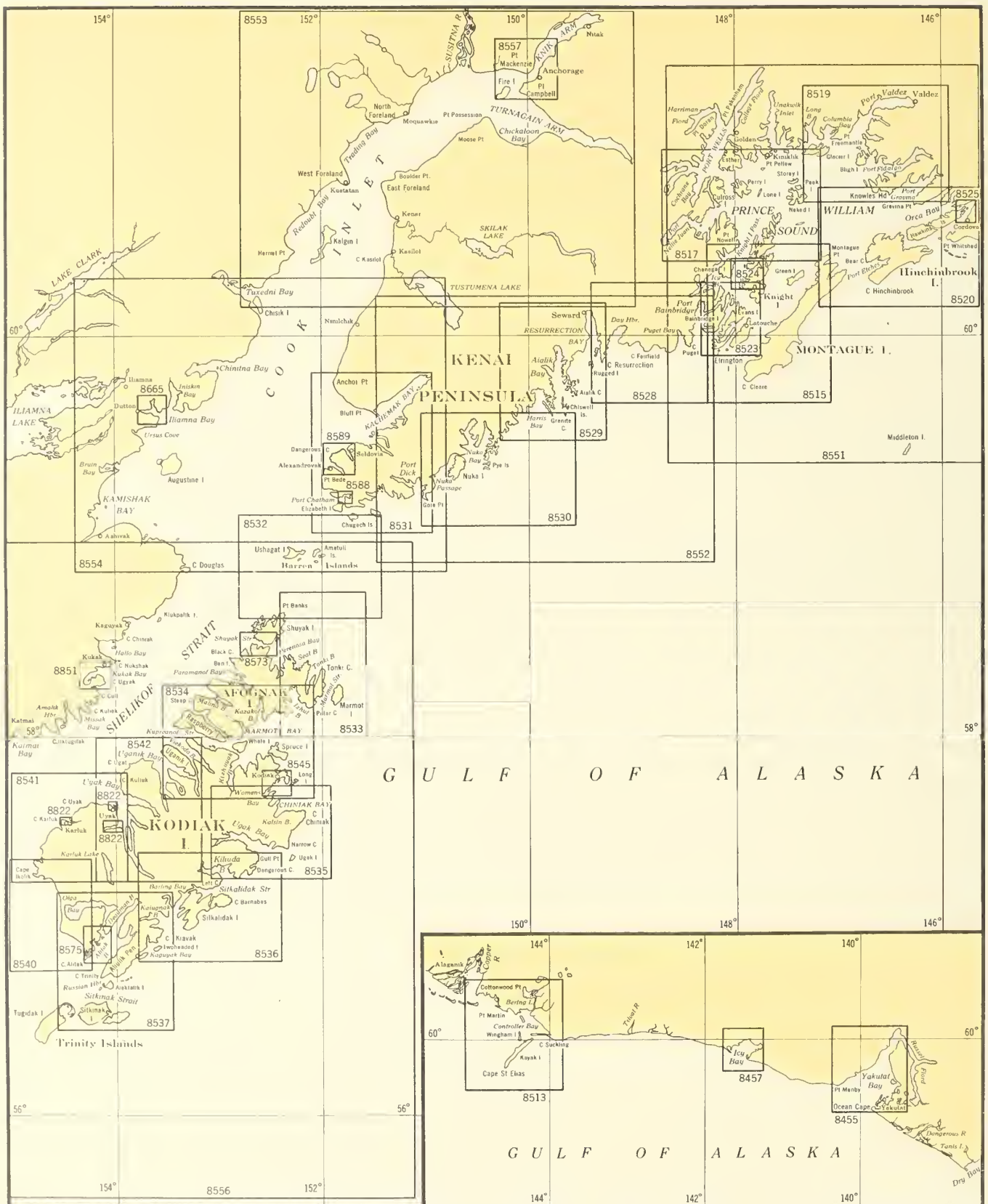
GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
CAPE DECISION TO CAPE BINGHAM					
8160	\$0.50	Zarembo Island and approaches.....	1:80,000	29×31	June 1931
8161	.75	Ernest Sound, Eastern Passage and Zimovia Strait.....	1:80,000	31×44	Oct. 1924
8162	.75	Lake Bay and Approaches, Clarence Strait.....	1:10,000	34×34	Jan. 1933
8164	.25	Steamer Bay, Wrangell Harbor, and Highfield Anchorage.....	1:40,000	18×29	Apr. 1931
		Steamer Bay, Etolin Island.....	1:20,000		
		Wrangell Harbor and Highfield Anchorage.....	1:10,000		
8168	.25	Red Bay, Prince of Wales Island.....	1:20,000	14×21	Dec. 1931
8170	.75	Wrangell Narrows.....	1:20,000	31×39	Jan. 1935
8172	.75	Shakan and Shipley Bays and part of El Capitan Passage.....	1:40,000	26×40	Mar. 1927
		El Capitan Passage, Dry Pass to Shakan Strait.....	1:10,000		
8174	.25	Port Protection, Prince of Wales Island.....	1:20,000	19×28	Dec. 1931
8179	.25	Port McArthur, Kuiu Island.....	1:10,000	25×25	Feb. 1901
8201	.75	Etolin Island to Midway Islands, including Sumner Strait.....	1:219,200	32×43	Feb. 1937
8210	.75	Thomas, Farragut, and Portage Bays.....	1:40,000	30×39	Oct. 1930
8214	.25	Saginaw and Security Bays.....	1:40,000	20×23	July 1909
8216	.50	Woewodski and Eliza Harbors, Fanchaw Bay and Cleveland Passage.....	1:20,000	26×27	Aug. 1920
8218	.50	Pybus, Hobart, and Windham Bays.....	1:40,000	27×34	May 1932
8224	.25	Gambier Bay, Stephens Passage.....	1:40,000	22×24	Feb. 1932
8228	.25	Windfall and Mole Harbors.....	1:20,000	20×30	Mar. 1913
8239	.75	Bays in Chatham Strait.....	1:20,000	29×36	Sept. 1934
		Kelp Bay.....	1:40,000		
		Warm Spring Bay.....	1:20,000		
		Takatz and Kasnyku Bays.....	1:20,000		
8241	.75	Bay of Pillars and Rowan Bay, Chatham Strait.....	1:20,000	31×41	May 1936
		Washington Bay, Chatham Strait.....	1:10,000		
8242	.50	Harbors in Chatham Strait and vicinity, Hoggatt, Red Bluff, Gut, Herring and Chapin Bays, Surprise Harbor and Murder Cove.....	1:20,000	28×30	Nov. 1929
8244	.75	Sitka Harbor and approaches.....	1:10,000	33×39	Sept. 1930
8246	.75	Whitewater Bay and Chaik Bay, Chatham Strait.....	1:20,000	31×38	Feb. 1933
8247	.50	Hood Bay and Kootznahoo Inlet.....	1:30,000	26×37	Sept. 1932
8248	.75	Salisbury Sound and Peril Strait to Emmons Island.....	1:40,000	34×34	Feb. 1931
		Sergius Narrows.....	1:20,000		
8252	.75	Coronation Island to Lisianski Strait.....	1:219,300	32×43	Feb. 1936
8253	.75	Cape Ommaney to Byron Bay.....	1:20,000	33×44	Feb. 1926
8254	.75	Snipe Bay to Crawfish Inlet.....	1:40,000	31×42	Nov. 1926
8255	.75	Crawfish Inlet to Sitka.....	1:40,000	33×44	Aug. 1929
8256	.75	South and West Coast of Kruzof Island.....	1:40,000	26×42	Mar. 1931
8258	.25	Cape Edward to Lisianski Strait.....	1:40,000	23×30	Dec. 1928
8261	.75	Ports Alexander, Conclusion, and Armstrong.....	1:10,000	29×39	May 1927
8263	.25	Port Walter, Chatham Strait.....	1:20,000	14×19	Mar. 1927
8264	.25	Port Lucy.....	1:20,000	19×23	Apr. 1928
8265	.25	Port Herbert.....	1:20,000	15×21	Feb. 1928
8266	.25	Patterson Bay and Deep Cove, Chatham Strait.....	1:20,000	23×31	Dec. 1931
8271	.25	Tebenkof Bay.....	1:40,000	25×27	Jan. 1929
8272	.75	Keku Strait, Monte Carlo Island to Entrance Island.....	1:20,000	31×41	Jan. 1931
		The Summit.....	1:10,000		
		Devils Elbow.....	1:10,000		
8280	.75	Khaz Bay.....	1:40,000	32×38	May 1930
		Elbow Passage.....	1:10,000		
8281	.75	Sitka Sound to Salisbury Sound.....	1:40,000	33×36	Nov. 1930
		Neva Strait.....	1:20,000		
8283	.75	Peril Strait, Hoonah Sound to Chatham Strait.....	1:40,000	33×42	Apr. 1933
8285	.25	Killisnoo Harbor, Chatham Strait.....	1:10,000	21×29	Dec. 1931
8299	.25	Port Malmesbury, Chatham Strait.....	1:40,000	14×14	Dec. 1931



GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

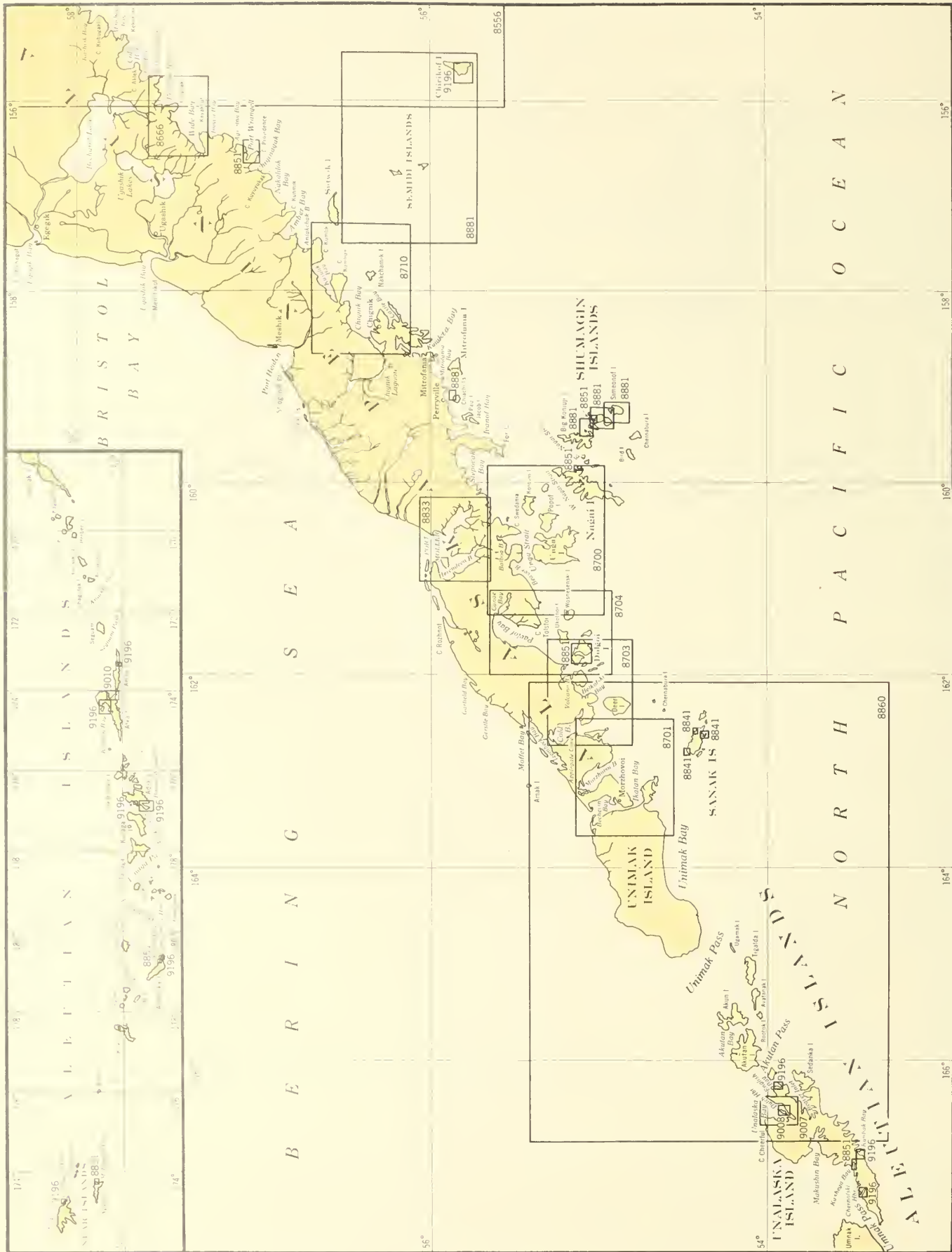
No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
CAPE EDWARD TO LITUYA BAY					
8202	\$0.75	Midway Island to Cape Spencer, including Lynn Canal.....	1:203,180	31×43	July 1936
8227	.25	Port Snettisham, Stephens Passage.....	1:40,000	23×26	Mar. 1932
8229	.25	Slocum and Limestone Inlets and Taku Harbor.....	1:20,000	21×31	Aug. 1932
8235	.50	Gastineau Channel and part of Stephens Passage.....	1:40,000	28×31	May 1933
8260	.75	Yakobi Island and Lisianski Inlet.....	1:40,000	33×38	July 1929
8302	.75	Lynn Canal, entrance to Point Sherman.....	1:80,000	28×43	Mar. 1934
		Funter Bay.....	1:20,000		
8303	.50	Lynn Canal; Point Sherman to Skagway.....	1:80,000	20×41	Nov. 1932
8304	.75	Icy Strait and Cross Sound.....	1:80,000	32×40	July 1932
		Inian Cove.....	1:20,000		
8306	.50	Glacier Bay.....	1:160,000	27×28	June 1938
8410	.75	Cape Spencer to Icy Point.....	1:40,000	32×39	Sept. 1930
8505	.50	Lituya Bay.....	1:20,000	25×34	Feb. 1929
		Lituya Bay Entrance.....	1:10,000		



GENERAL CHARTS AND HARBOR CHARTS, ALASKA – CONTINUED

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
YAKUTAT BAY TO KODIAK ISLAND					
8455	\$0.50	Yakutat Bay.....	1:80,000	28×32	Feb. 1910
8457	.50	Icy Bay, South Coast.....	1:40,000	29×31	May 1923
8513	.50	Controller Bay.....	1:100,000	29×32	Apr. 1913
8515	.75	Prince William Sound, western entrance.....	1:80,000	33×42	Nov. 1935
8517	.75	Prince William Sound, western part.....	1:80,000	31×45	July 1935
8519	.75	Prince William Sound; Port Fidalgo and Valdez Arm.....	1:80,000	32×39	Dec. 1933
8520	.75	Prince William Sound, eastern entrance.....	1:80,000	32×43	Feb. 1935
8523	.75	Latouche, Elrington and Prince of Wales Passages.....	1:40,000	33×39	Jan. 1935
8524	.75	Drier Bay, Prince William Sound.....	1:20,000	32×35	Apr. 1935
8525	.25	Orea Bay and Inlet, Channel Islands to Cordova.....	1:30,000	15×15	Jan. 1931
8528	.75	Point Elrington to Cape Resurrection.....	1:80,000	32×33	Feb. 1930
8529	.75	Cape Resurrection to Two Arm Bay.....	1:80,000	28×37	July 1932
8530	.75	Seal Rocks to Gore Point.....	1:80,000	30×41	June 1932
8531	.75	Gore Point to Anchor Point.....	1:80,000	32×43	Mar. 1933
8532	.75	Barren Islands.....	1:77,000	31×42	June 1934
8533	.75	Point Banks to Marmot Bay.....	1:80,000	26×42	Mar. 1935
8534	.75	Marmot Bay and Kupreanof Strait.....	1:80,000	33×44	May 1937
8535	.75	Chiniak Bay to Dangerous Cape.....	1:80,000	28×36	Dec. 1935
8536	.75	Gull Point to Kaguyak Bay.....	1:80,000	32×42	Sept. 1934
		Sitkalidak Passage.....	1:20,000		
8537	.75	Sitkinak Strait and Alitak Bay; Kodiak Island.....	1:80,000	34×40	Nov. 1933
8540	.50	Cape Alitak to Cape Ikolik; Kodiak Island.....	1:80,000	25×33	Sept. 1932
8541	.75	Cape Ikolik to Cape Kuliuk, Kodiak Island.....	1:80,000	32×35	Dec. 1931
8542	.75	Uganik and Uyak Bays.....	1:80,000	31×43	Nov. 1931
8545	.75	Kodiak and St. Paul Harbors.....	1:20,000	32×34	May 1937
		Kodiak Harbor.....	1:10,000		
8551	.75	Prince William Sound.....	1:198,500	34×43	May 1935
8552	.75	Point Elrington to East Chugach Island.....	1:202,800	29×37	May 1933
8553	.75	Cook Inlet, northern part.....	1:195,000	33×43	Mar. 1915
8554	.75	Cook Inlet, southern part.....	1:203,000	32×40	May 1934
8556	.75	Kodiak Island.....	1:357,100	33×43	Feb. 1938
8557	.75	Knik Arm, Fire Island to Goose Creek.....	1:40,000	32×33	May 1921
8573	.75	Shuyak Strait and Bluefox Bay.....	1:20,000	27×42	Aug. 1935
8575	.75	Part of Alitak Bay; Cape Alitak to Moser Bay.....	1:20,000	34×43	Mar. 1932
8588	.50	Port Chatham.....	1:10,000	28×33	Mar. 1920
8589	.50	Port Graham and Seldovia Bay.....	1:20,000	25×37	Oct. 1916
8665	.50	Iliamna Bay, Cook Inlet.....	1:20,000	31×32	Sept. 1917
8822	.25	Bays and Anchorages, Kodiak Island.....		22×23	Nov. 1930
		Uyak Anchorage.....	1:20,000		
		Larsen Bay.....	1:20,000		
		Karluk Anchorage.....	1:20,000		
8851	.50	Harbors and Anchorages, Southwestern Alaska.....		27×28	July 1932
		Kikak Bay, Alaska Peninsula.....	1:100,000		



GENERAL CHARTS AND HARBOR CHARTS, ALASKA - CONTINUED

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

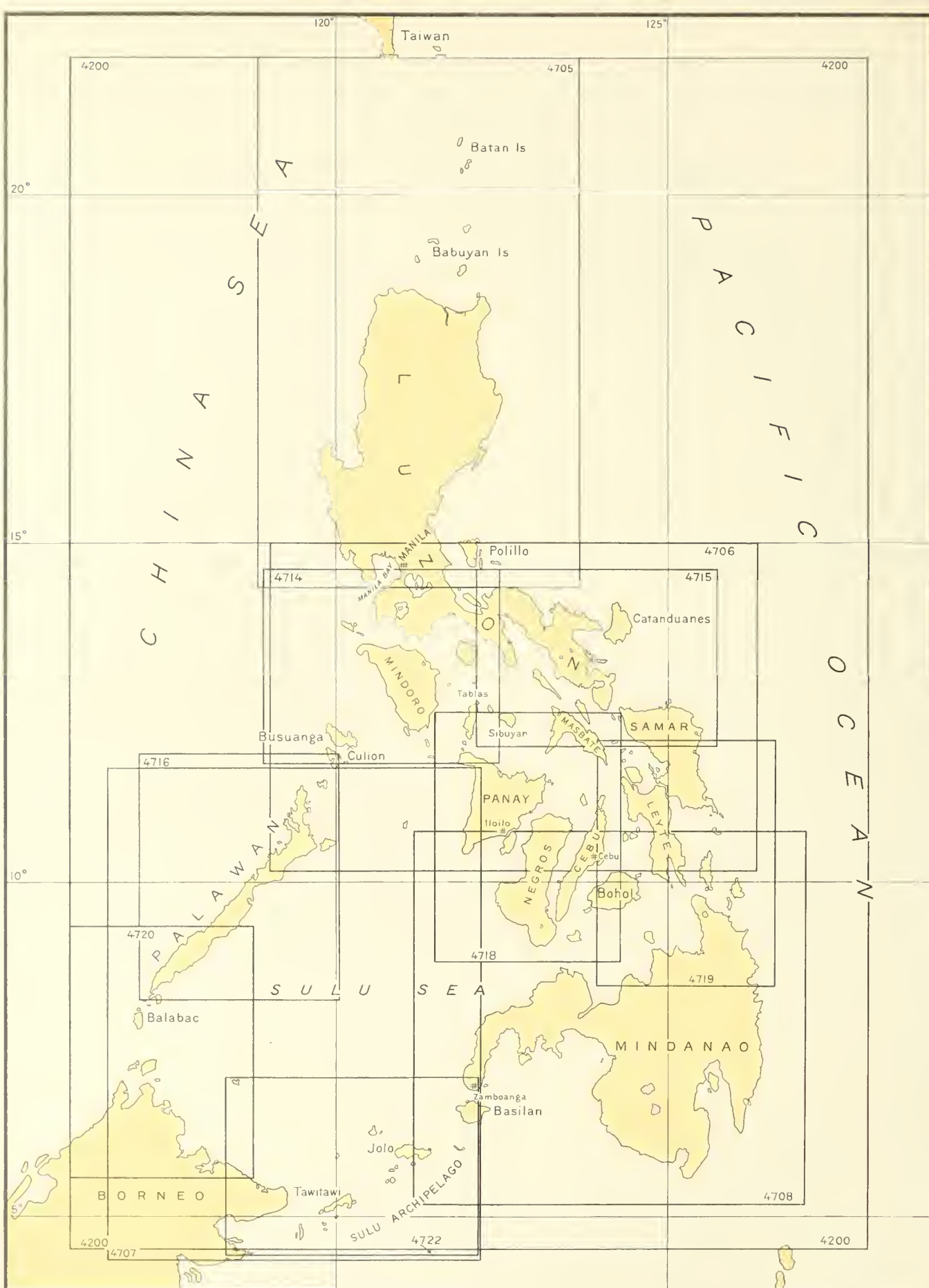
No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
ALASKA PENINSULA AND ALEUTIAN ISLANDS					
8556	\$0.75	Kodiak Island.....	1:357, 100	33×43	Feb. 1938
8666	.75	Portage and Wide Bays.....	1:50, 000	30×41	July 1927
8700	.75	Shumagin Islands; Nagai Island to Unga Island.....	1:100, 000	31×39	Sept. 1917
		Popof Strait.....	1:30, 000		
		Delarof Island.....	1:20, 000		
8701	.75	Morzhovoi Bay and Isanotski Strait.....	1:80, 000	33×36	Sept. 1929
8703	.50	Dolgoi Island to Deer Island.....	1:80, 000	28×35	July 1927
8704	.75	Pavlof Bay and Approaches.....	1:80, 000	28×40	Feb. 1926
8710	.75	Chignik and Kujulik Bays (including Chignik Bay Anchorage and Mud Bays, scale 1:40,000).....	1:80, 000	33×43	Oct. 1927
8833	.25	Port Moller and Herendeen Bay.....	1:80, 000	23×28	Feb. 1917
8841	.25	Harbors and Anchorages, Sanak Island.....		20×21	Oct. 1927
		Northeast Harbor.....	1:10, 000		
		Peterson Bay.....	1:20, 000		
		Sanak Harbor.....	1:10, 000		
8851	.50	Harbors and Anchorages, Southwestern Alaska.....		27×28	July 1932
		Port Wrangell, Alaska Peninsula.....	1:110, 000		
		Kashega Bay, Unalaska Island.....	1:15, 000		
		Mist Harbor, Nagai Island.....	1:10, 000		
		Sandy Cove, Little Koniui Island.....	1:24, 200		
		Dolgoi Harbor, Dolgoi Island.....	1:40, 000		
		Kirilof Bay, Amchitka Island.....	1:28, 000		
		McDonald Bay, Agattu Island.....	1:75, 000		
8860	.75	Unimak and Akutan Passes and approaches.....	1:300, 000	32×42	Jan. 1938
8881	.25	Islands and Harbors off Alaska Peninsula.....		19×21	Apr. 1919
		Semidi Islands and Chirikof Island.....	1:400, 000		
		Chiachi Islands.....	1:17, 000		
		Northeast Harbor, Little Koniui Island.....	1:122, 000		
		Northwest and Yukon Harbors, Shumagin Islands.....	1:64, 000		
		Simeonof Harbor, Simeonof Island.....	1:90, 000		
9007	.25	Unalaska Bay.....	1:40, 000	22×26	Nov. 1937
9008	.50	Dutch Harbor.....	1:10, 000	27×33	Sept. 1937
9010	.75	Nazan Bay—Atka Island.....	1:20, 000	32×42	Apr. 1935
9196	.50	Anchorages and Harbors, Aleutian Islands.....		27×32	Sept. 1931
		Southwest Anchorage, Chirikof Island.....	1:53, 600		
		English Bay, Unalaska Island.....	1:20, 000		
		Kuliliak Bay, Unalaska Island.....	1:43, 500		
		Chernofski Harbor, Unalaska Island.....	1:36, 000		
		Sviechnikof Harbor, Amliia Island.....	1:52, 000		
		Korovin Bay, Atka Island.....	1:194, 000		
		Bay of Islands, North Island Anchorage, Adak Island.....	1:20, 000		
		Bay of Waterfalls, Adak Island.....	1:95, 000		
		Constantine Harbor, Amchitka Island.....	1:43, 000		
		Chichagof Harbor, Attu Island.....	1:19, 000		

GENERAL CHARTS AND HARBOR CHARTS, ALASKA—Continued

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
BERING SEA					
8851	\$0.50	Harbor and Anchorages, Southwestern Alaska, St. Matthew Island, Bering Sea.....	1:156,000	27×28	July 1932
8995	.75	Pribilof Islands, Bering Sea.....	1:200,000	30×36	Apr. 1910
8996	.75	St. Paul and St. George Islands, Pribilof Islands, Bering Sea.....	1:75,000	30×39	Dec. 1934
9050	.50	Nushagak Bay and approaches.....	1:150,000	23×37	Mar. 1911
9103	.50	Kuskokwim Bay (including Goodnews Bay, scale 1:80,000).....	1:200,000	24×37	Sept. 1916
9104	.50	Kuskokwim River—Eek Island to Bethel.....	1:100,000	19×37	Oct. 1918
9196	.50	Anchorages and Harbors, Aleutian Islands, Cape Etolin Anchorage, Nunivak Island.....	1:31,000	27×32	Sept. 1931
9370	.75	Cape Romanzof to St. Michael.....	1:300,000	34×36	July 1901
9372	.75	Yukon River, Apoon Mouth to Head of Passes (including Apoon Mouth, scale 1:20,000).....	1:80,000	32×38	Feb. 1914
9373	.75	Yukon River, Kwikluak Mouth.....	1:80,000	29×39	May 1901
9375	.75	St. Michael Bay, Norton Sound.....	1:20,000	31×38	June 1901
9380	.75	Norton Sound.....	1:400,000	33×41	Oct. 1914
9381	.25	Port Safety, Norton Sound.....	1:15,000	19×21	Dec. 1905
9382	.75	Golofnin Bay, Norton Sound.....	1:40,000	32×39	July 1903
9385	.25	Port Clarence and Grantley Harbor.....	1:80,000	19×27	Nov. 1912

CHARTS OF HAWAIIAN ISLANDS, GUAM, AND SAMOA

No.	Price	TITLE	Island	Approximate scale	Size of border (inches)	Date
SAILING, GENERAL, COAST, AND HARBOR CHARTS						
4000	\$0.75	Territory of Hawaii.....		1:3, 167, 000	34×36	Apr. 1934
4101	.25	Mahukona Harbor and approaches.....	Hawaii.....	1:5, 000	17×23	Jan. 1931
4102	.75	Hawaiian Islands.....	do.....	1:600, 000	30×44	Feb. 1935
4103	.25	Hilo Bay.....	do.....	1:10, 000	23×26	Oct. 1932
4104	.75	Maalaea Bay.....	Maui.....	1:10, 000	32×40	June 1934
4105	.25	Kahului Harbor and approaches.....	do.....	1:10, 000	25×26	Jan. 1938
4108	.25	Port Allen.....	Kauai.....	1:5, 000	19×28	Jan. 1938
4109	.50	Honolulu Harbor.....	Oahu.....	1:5, 000	24×35	Dec. 1937
4110	.75	Oahu.....		1:80, 000	32×44	June 1937
4111	.25	Nawiliwili Bay.....	Kauai.....	1:5, 000	22×31	Mar. 1936
4112	.50	Hanamaulu Bay.....	do.....	1:2, 500	26×33	July 1929
4113	.25	Hana Bay.....	Maui.....	1:5, 000	17×17	June 1932
4114	.50	Approach to Waimea and Makaweli Landings.....	Kauai.....	1:10, 000	27×35	Oct. 1934
4115	.75	Hawaii.....	Hawaii.....	1:247, 000	35×39	Feb. 1936
4116	.75	Hawaii to Oahu.....		1:247, 000	33×42	Nov. 1936
4117	.75	Hawaiian Islands, Oahu to Niihau.....		1:250, 000	31×43	Mar. 1933
4118	.75	Iaena Point to Kepuhi Point.....	Kauai.....	1:20, 000	28×44	May 1930
4121	.50	Harbors of Molokai.....	Molokai.....		28×34	Oct. 1937
		Kaunakakai Harbor.....		1:5, 000		
		Pukoo Harbor.....		1:5, 000		
		Kamalo Harbor.....		1:5, 000		
		Kolo Harbor.....		1:5, 000		
		Papohaku Roadstead.....		1:5, 000		
4122	.25	Kaunapapa Harbor.....	Lanai.....	1:2, 500	15×16	Nov. 1929
4123	.50	Kealahou Bay to Honaunau Bay.....	Hawaii.....	1:10, 000	25×34	July 1928
4130	.75	Channels between Molokai, Maui, Lanai, and Kahoolawe.....	do.....	1:80, 000	33×44	Dec. 1936
4131	.75	South Coast of Oahu, Makapuu Point to Diamond Head.....	Oahu.....	1:20, 000	34×42	Oct. 1933
4132	.75	South Coast of Oahu, Diamond Head to Keahi Point.....	do.....	1:20, 000	34×42	May 1935
4133	.75	South Coast of Oahu, Ahua Point to Barbers Point.....	do.....	1:20, 000	34×42	July 1935
4161	.25	Pauhau Landing.....	Hawaii.....	1:5, 000	20×28	Oct. 1933
4162	.50	Harbors and Landings.....	do.....		31×31	Apr. 1931
		Punaluu Harbor.....		1:2, 500		
		Honouapo Harbor.....		1:2, 500		
		Honokaa Landing.....		1:2, 500		
		Kukuihaele Landing.....		1:2, 500		
4163	.25	Keauhou Bay—West Coast.....	do.....	1:2, 500	21×24	Aug. 1932
4164	.25	Kailua Bay—West Coast.....	do.....	1:5, 000	19×20	Aug. 1932
4165	.25	Puako Bay and vicinity—West Coast.....	do.....	1:2, 500	24×28	Aug. 1932
4166	.25	Kawaihae—West Coast.....	do.....	1:5, 000	21×27	Sept. 1932
4190	.75	United States possessions in the Samoa Islands.....			33×39	Feb. 1929
		Samoa Islands.....		1:2, 000, 000		
		Tutuila Island.....		1:60, 000		
		Pago Pago Harbor, Tutuila Island.....		1:15, 000		
		Manua Islands.....		1:80, 000		
		Swains Island.....		1:40, 120		
		Rose Island.....		1:106, 000		
4202	.50	Guam Island, Marianas Islands.....		1:80, 000	29×31	May 1937
		Port Talofolo.....	Guam.....	1:10, 500		
		Agaña Bay.....	do.....	1:28, 300		
		Umatac Bay.....	do.....	1:5, 330		
		Port Apra.....	do.....	1:37, 500		

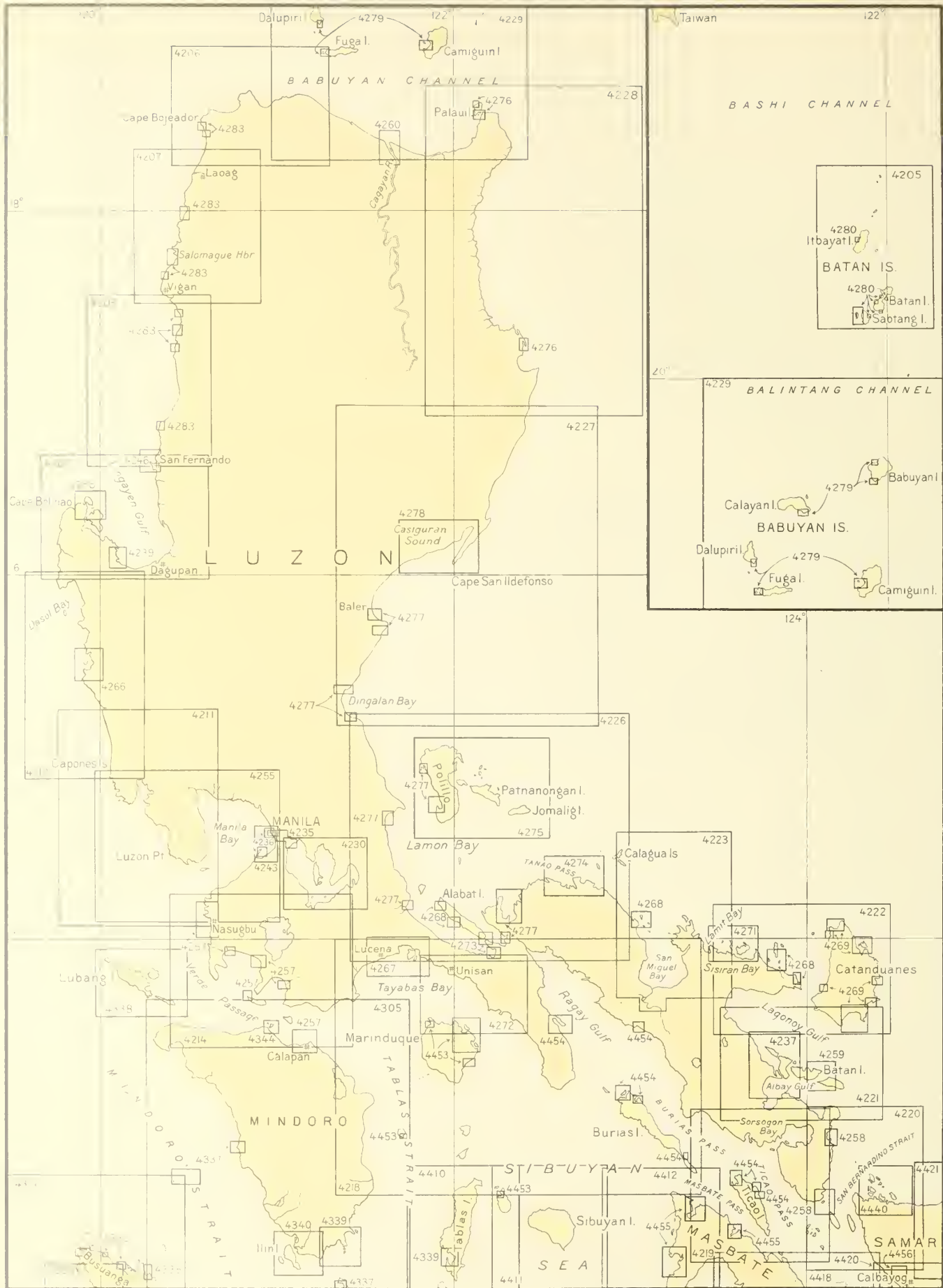


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SAILING AND GENERAL CHARTS OF THE PHILIPPINE ISLANDS

SAILING AND GENERAL CHARTS OF THE PHILIPPINE ISLANDS

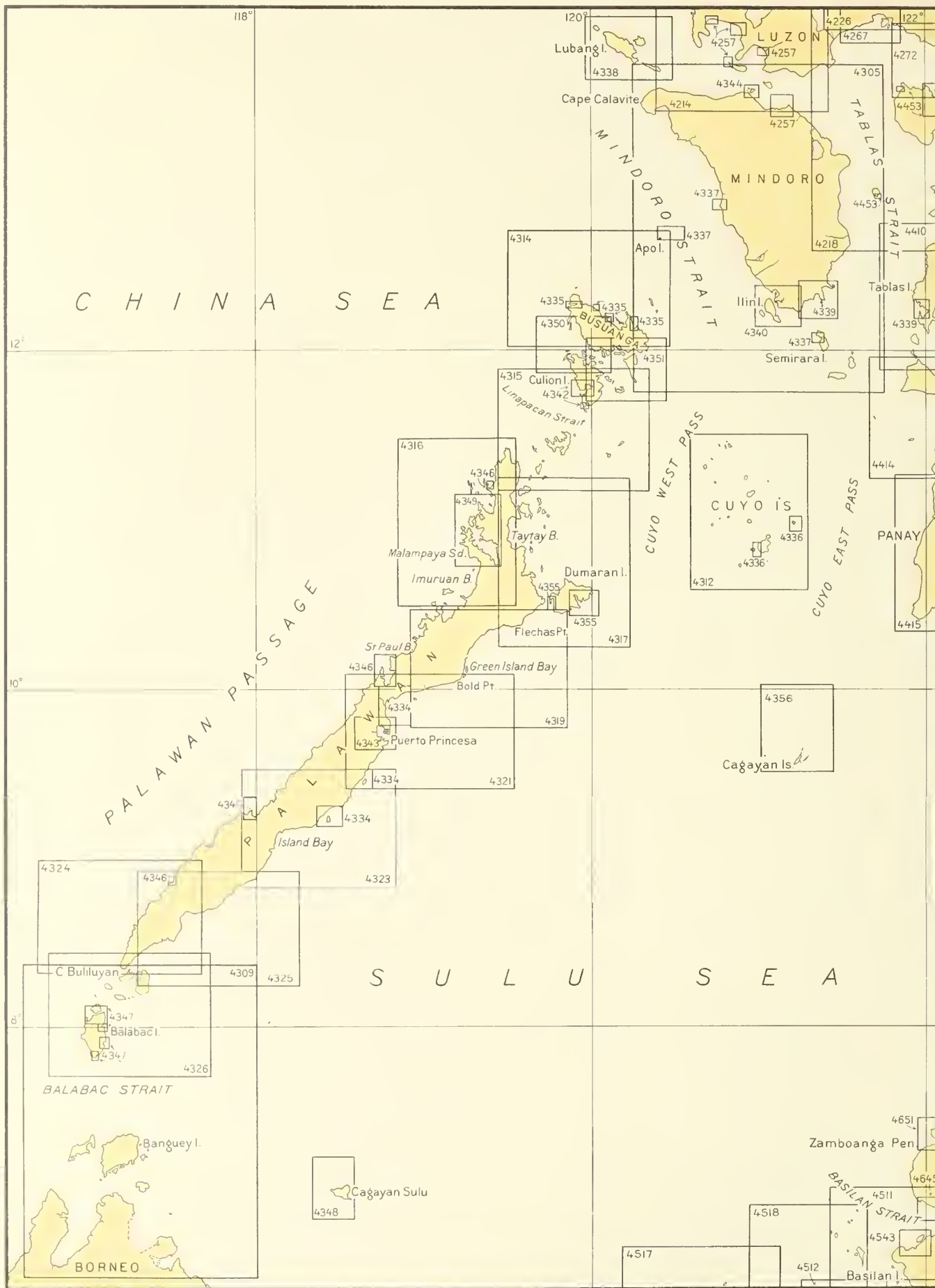
No.	Price	TITLE	Approximate scale	Size of border (inches)	Date	No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
4200	\$0.75	Philippine Islands.....	1:1,600,000	33×49	1933	4716	\$0.75	Palawan.....	1:400,000	34×40	1938
4705	.75	Manila Bay to Taiwan.....	1:800,000	28×44	1938	4718	.75	Panay, Negros and Cebu, with parts of Bohol and Masbate.....	1:400,000	31×41	1936
4706	.75	Philippine Islands, central part.....	1:800,000	27×40	1938	4719	.75	Surigao Strait and Leyte, with parts of Samar and Mindanao.....	1:400,000	30×40	1936
4707	.75	Philippine Islands, southwestern part.....	1:800,000	31×41	1933	4720	.75	Balabac Strait and approaches.....	1:400,000	31×41	1936
4708	.75	Philippine Islands, southeastern part.....	1:800,000	31×33	1937	4722	.75	Sulu Archipelago.....	1:400,000	30×42	1936
4714	.75	Southwestern Luzon and Mindoro.....	1:400,000	32×39	1936						
4715	.75	Southeastern Luzon and parts of Masbate and Samar.....	1:400,000	30×40	1934						



COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date	No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
4200	\$0.75	Philippine Islands (see p. 42 for diagram).....	1:1,600,000	33×49	1933	4268	\$0.50	Harbors from Alabat to Pitogo Bay.....		26×30	1938
4205	.75	Batan Islands.....	1:100,000	29×41	1929			Port Alabat, southwest coast, Alabat Island.....	1:20,000		
4206	.75	Pata Point to Cape Bojeador to Bacarra, Luzon Island.....	1:100,000	30×40	1934			Sangirin Bay, northwest coast, Alabat Island.....	1:20,000		
4207	.75	Bacarra to Santa, Luzon Island.....	1:100,000	32×41	1935			Tabgon Anchorage, east coast, Luzon Island.....	1:30,000		
4208	.75	Santa to San Fernando, Luzon Island.....	1:100,000	32×42	1934			Canimo Pass and Mercedes, east coast, Luzon Island.....	1:25,000		
4209	.75	Lingayen Gulf, Luzon Island.....	1:100,000	31×42	1924			Pitogo Bay, east coast, Luzon Island.....	1:15,000		
4210	.75	Capones Islands to Dasol Bay, Luzon Island.....	1:125,000	24×41	1936	4269	.25	Harbors of Catanduanes.....		24×27	1923
		Santa Cruz Inner Harbor.....	1:30,000					Cahugao Bay, south coast.....	1:50,000		
		Iba Anchorage.....	1:30,000					Bagamanoc and Anajao, east coast.....	1:30,000		
4211	.75	Approaches to Manila Bay.....	1:125,000	30×43	1932			Cobo Bay, west coast.....	1:20,000		
4214	.75	Verde Island Passage.....	1:125,000	31×37	1933			Port Manamrag, west coast.....	1:20,000		
4218	.75	Ragay Gulf to Tayabas Bay, Luzon Island.....	1:200,000	32×45	1922			Pandan Bay, north coast.....	1:30,000		
		Vinas River.....	1:50,000					Gigmoto Bay, east coast.....	1:20,000		
4219	.75	Passages between Luzon and Masbate and Sorsogon Bay.....	1:100,000	35×39	1919			Kalapadan Bay, east coast.....	1:30,000		
4220	.75	San Bernardino Strait, Luzon and Samar Islands.....	1:100,000	30×41	1936	4271	.75	Lamit and Sisiran Bays, Luzon Island.....	1:30,000	30×41	1924
		Biri Anchorage.....	1:20,000			4272	.75	Unisan to Mulanay and northern part of Marinduque.....	1:70,000	28×38	1937
		Mauo River.....	1:15,000			4273	.25	Silangan Pass and Hondagua Harbor, Luzon Island.....	1:20,000	17×32	1913
4221	.75	Albay Gulf and part of Lagonoy Gulf, Luzon Island.....	1:100,000	29×40	1924	4274	.50	Tanao Pass, Luzon Island.....	1:40,000	24×36	1921
4222	.75	Lagonoy Gulf to Lamit Bay and Catanduanes Island, Luzon Island.....	1:100,000	32×43	1938	4275	.75	Polillo Islands.....	1:80,000	32×42	1924
4223	.75	San Miguel and Lamit Bays, Luzon Island.....	1:100,000	29×41	1933	4276	.25	Harbors on the northeast coast of Luzon.....		22×34	1938
		Continuation of Bicol River.....	1:100,000					Port Bicobian.....	1:15,000		
4226	.75	Lamon Bay and Polillo Islands.....	1:200,000	31×35	1938			Engaño Cove.....	1:10,000		
4227	.75	Dingalan Bay to Digollorin Bay.....	1:200,000	32×40	1933			Port San Vicente.....	1:15,000		
4228	.75	Digollorin Point to Cape Engaño.....	1:200,000	27×40	1938	4277	.75	Harbors on the east coast of Luzon.....		31×38	1933
4229	.75	Babuyan Islands.....	1:200,000	30×40	1933			Baler Anchorage.....	1:20,000		
4230	.75	Laguna de Bay.....	1:100,000	29×34	1921			Dibut Bay.....	1:20,000		
		Napihndan Channel, Pasig River approach.....	1:10,000					Dingalan Bay.....	1:20,000		
4235	.75	Pasig River, Luzon Island.....	1:10,000	26×42	1933			Umiray River.....	1:20,000		
4236	.50	Manila and Cavite Harbors, Luzon Island.....		21×35	1938			Basiad Bay.....	1:40,000		
		Manila Harbor.....	1:10,000					Port Lampon.....	1:20,000		
		Cavite Harbor.....	1:10,000					Hook Bay.....	1:20,000		
4237	.75	Tahaco Bay, Coal Harbor and Legaspi Port, Luzon Island.....	1:10,000	32×41	1936			Polillo Harbor.....	1:30,000		
4238	.75	Bolinao Harbor and approaches, Luzon, Island.....	1:20,000	35×36	1911	4278	.75	Port San Plo Quinto.....	1:20,000		
4239	.50	Port Sual to Comas Island, Luzon Island.....	1:15,000	23×37	1904			Musa Bay.....	1:15,000		
4243	.50	Manila to Cavite.....	1:30,000	25×33	1936	4280	.50	Harbors in Batan Islands.....		23×35	1931
4246	.50	San Fernando Harbor, Luzon Island.....	1:15,000	25×28	1936			Mayan Landing, Ithayat Island.....	1:10,000		
4255	.75	Manila Bay and approaches east of Luzon to Capones Islands, Luzon Island.....	1:125,000	32×36	1933			Basco, Batan Island.....	1:10,000		
		Mariveles Harbor.....	1:30,000					Mahatao, Batan Island.....	1:10,000		
4257	.75	Anchorage, vicinity of Verde Island Passage.....		29×36	1922			Balugan Bay, Batan Island.....	1:10,000		
		Nasugbu and Hamilo Cove, Luzon Island.....	1:50,000					Uyugan, Batan Island.....	1:10,000		
		Balayan, Luzon Island.....	1:10,000					Sabtang, Sabtang Island.....	1:10,000		
		Taal and Lemery, Luzon Island.....	1:10,000					Sabtang Channel, Batan Island.....	1:20,000		
		Batangas, Luzon Island.....	1:15,000			4283	.75	Harbors on the west coast of Luzon.....		34×34	1934
		Port Maricaban, Maricaban Island.....	1:10,000					Darigayos Inlet.....	1:10,000		
		Calapan; Mindoro Island.....	1:40,000					Santiago Cove.....	1:10,000		
4258	.25	Matnog Bay and Ticlin Strait, Luzon Island.....	1:30,000	18×26	1916			San Esteban and Nalvo Bay.....	1:20,000		
		Port Gubat, Luzon Island.....	1:20,000					Solvec Cove.....	1:10,000		
4259	.75	Rapu Rapu Strait.....	1:20,000	34×36	1924			San Ildefonso Harbor.....	1:20,000		
4260	.50	Aparri Anchorage and part of Cagayan River, Luzon Island.....	1:25,000	20×33	1932			Salomague Harbor and Lapog Bay.....	1:20,000		
4266	.50	Ports Masinloc and Matalvi and Palaug Bay, Luzon Island.....	1:25,000	29×32	1907			Port Currimao and Gan Bay.....	1:20,000		
4267	.50	Lucena Anchorage, Pagbilao Bay and Port Laguimanoc, Luzon Island.....	1:40,000	25×35	1924			Dirique Inlet.....	1:5,000		
								Nagabungan Bay.....	1:5,000		

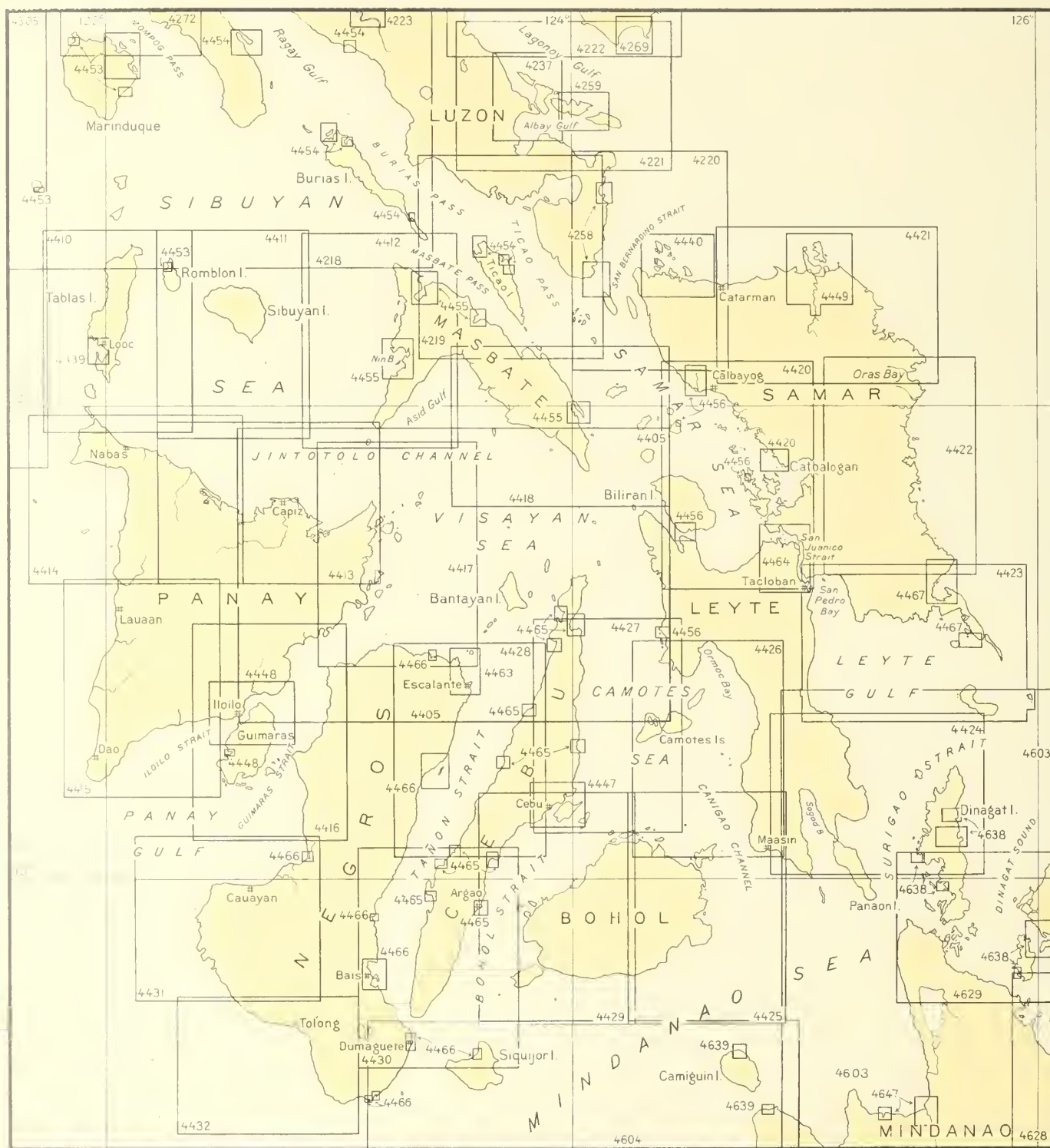


C & G S Print

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS – CONTINUED

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date	No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
4305	\$0.75	Mindoro and vicinity.....	1:200,000	33×43	1919	4339	\$0.50	Anchorage southeastern Mindoro and Tablas Island.....		25×37	1912
4309	.75	Balabac Strait.....	1:200,000	31×42	1921			Looc Bay, Tablas Island.....	1:40,000		
4312	.75	Cuyo Islands.....	1:100,000	31×41	1922			Lagara Cove and Passes southward, Mindoro Island.....	1:20,000		
4314	.75	Northern part of Busuanga.....	1:100,000	31×42	1919			Buruncan Point to Pocanil Bay, Mindoro Island.....	1:40,000		
4315	.75	Palawan to Culion Island, including Linapacan Strait.....	1:100,000	32×41	1917	4340	.50	Mangarin and Pandarochan Bays, Mindoro Island.....	1:40,000	26×30	1911
4316	.75	Northwestern Palawan.....	1:100,000	31×44	1938	4342	.50	Halsey Harbor and Dicabaito Anchorage, Culion Island.....	1:20,000	23×32	1921
4317	.75	Northeast coast of Palawan, Shark Fin Bay to Flechas Point, Palawan Island.....	1:100,000	31×44	1918			Dicabaito Anchorage.....	1:20,000		
4319	.75	Green Island Bay and vicinity.....	1:100,000	31×41	1920	4343	.25	Puerto Princesa, Palawan Island.....	1:40,000	23×29	1920
		Pascoe Channel, Green Island.....	1:20,000			4344	.75	Port Galera and Varadero Bay, Mindoro Island.....	1:10,000	29×35	1924
4321	.75	Bold Point to Malanao Island.....	1:100,000	31×43	1920	4346	.50	Harbors of Palawan Island.....		26×31	1932
4323	.75	Malanao Island to Nariz Point.....	1:100,000	31×43	1922			Bacuit, northwest coast.....	1:15,000		
4324	.75	Southern Palawan.....	1:100,000	32×43	1935			Ulugan Bay, west coast.....	1:30,000		
4325	.75	Nariz Point to Bugsuk Island.....	1:100,000	31×44	1936			Malanut and Nakoda Bays, west coast.....	1:30,000		
4326	.75	North Balabac Strait and vicinity.....	1:100,000	32×42	1921			Culasian Bay, west coast.....	1:20,000		
4334	.75	Anchorage East Coast of Palawan.....		27×39	1921	4347	.25	Harbors of Balabac Island.....		23×28	1920
		Honda Bay.....	1:40,000					Clarendon Bay, south coast.....	1:15,000		
		Malanao Anchorage.....	1:40,000					Calandorang Bay, east coast.....	1:15,000		
4335	.25	Panacan Anchorage.....	1:40,000					Dalawan Bay, east coast.....	1:20,000		
		Harbors on the north coast of Busuanga.....		18×29	1920			Port Ciego, north coast.....	1:40,000		
		Minuit Anchorage.....	1:20,000			4348	.50	Cagayan Sulu and adjacent islands.....	1:75,000	19×37	1924
		Illutuk Bay.....	1:20,000					Lapulapul Anchorage.....	1:15,000		
		Port Caltom.....	1:20,000			4349	.50	Malampaya Sound and approaches, Palawan Island.....	1:50,000	27×38	1933
		Minangas Bay.....	1:20,000					Western entrance to Coron Bay, Calamian Group.....	1:50,000	30×39	1919
4336	.50	Anchorage in Cuyo Islands.....		29×34	1918	4351	.75	Coron Bay, Calamian Group.....	1:50,000	33×41	1916
		Tagauayan Islands.....	1:10,000					Culion Landing.....	1:2,000		
		Cuyo Anchorage and Bisucay Channel.....	1:10,000			4355	.75	Harbors on Dumarán Island.....	1:20,000	32×38	1920
4337	.75	Anchorage west and south of Mindoro, Mindoro Island.....		28×36	1916			Dumarán Bay.....	1:20,000		
		Apo Reef.....	1:20,000			4356	.75	Cagayan Islands.....	1:60,000	33×38	1923
		Sabluyan Anchorage and Pandan Bay.....	1:20,000					Cagayan Anchorage.....	1:10,000		
		Semirara Anchorage.....	1:20,000								
4338	.75	Lubang Islands.....	1:60,000	28×38	1914						
		Golo Pass.....	1:20,000								



C & G S Print

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS - CONTINUED

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date	No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
4405	\$0.75	Visayan Sea.....	1:200,000	28×41	1937			Harbors of Marinduque Island and vicinity—Continued.			
4410	.75	Tablas Island and vicinity.....	1:100,000	28×38	1913			Romblon Harbor, west coast, Romblon Island.....	1:10,000		
4411	.75	Sibuyan and Romblon Islands.....	1:100,000	29×39	1914			Harbors on Burias and Ticao Islands and Ragay Gulf.....		32×33	1920
4412	.75	Western Masbate.....	1:100,000	30×40	1938	4454	\$0.75	Port Pusgo, Ragay Gulf, Luzon Island.....	1:30,000		
4413	.75	Northern Panay, Sigat Point to Bulacue Point.....	1:100,000	30×42	1919			Pasacao Anchorage, Ragay Gulf, Luzon Island.....	1:20,000		
		Capiz Bay.....	1:30,000					Port Busin, north coast, Burias Island.....	1:20,000		
		Port Batan.....	1:30,000					Port Busainga, northeast coast, Burias Island.....	1:15,000		
4414	.75	Northwestern Panay.....	1:100,000	32×40	1917			Port Boca Engaño, southeast coast, Burias Island.....	1:10,000		
4415	.75	Southwestern Panay.....	1:100,000	30×40	1921			Port San Miguel, northwest coast, Ticao Island.....	1:20,000		
		San Jose.....	1:10,000					Port San Jacinto, east coast, Ticao Island.....	1:20,000		
4416	.75	Iloilo and Guimaras Straits, Panay and Guimaras Islands.....	1:100,000	30×41	1925			Taclogan Bay, east coast of Ticao Island.....	1:20,000		
4417	.75	Northeastern Panay and adjacent islands.....	1:100,000	31×42	1911	4455	.75	Harbors on the coast of Masbate.....	1:30,000	28×37	1917
4418	.75	Southeastern Masbate.....	1:100,000	30×41	1915			Port Barrera, north coast, Masbate Harbor, northeast coast.....	1:20,000		
4420	.75	Calbayog to Tacloban, Samar and Leyte Islands.....	1:100,000	29×42	1936			Port Cataingan, east coast.....	1:30,000		
		Catbalogan Harbor.....	1:35,000					Nin Bay, west coast.....	1:30,000		
4421	.75	Catarman to Oras Bay, Samar Island.....	1:100,000	30×42	1908	4456	.25	Harbors of Samar and Leyte.....		24×27	1914
		Helm Harbor and San Ramon Bay.....	1:25,000					Jibatan River, west coast, Samar Island.....	1:50,000		
4422	.75	Oras Bay to Matarinao Bay, Samar Island.....	1:100,000	29×41	1908			Santo Niño Harbor, Santo Niño Island.....	1:5,000		
		Port Libas.....	1:30,000					Parasan Harbor, Daram Island.....	1:10,000		
		Port Borongan.....	1:30,000					Biliran Strait, Leyte and Biliran Islands.....	1:20,000		
		Lorente and vicinity.....	1:30,000					Port Palompon, Leyte Island.....	1:10,000		
4423	.75	Southern part of Samar and San Pedro Bay.....	1:100,000	30×43	1938	4463	.75	Escalante Harbor and vicinity, Negros Island.....	1:20,000	30×41	1924
4424	.75	Southeast coast of Leyte and Dinagat Island.....	1:100,000	31×41	1913	4464	.75	San Juanico Strait and Janabatas Channel, Samar and Leyte, islands.....	1:30,000	31×40	1910
		Liloan Bay and Panaon Strait.....	1:10,000					Northern entrance to San Juanico Strait.....	1:10,000		
4425	.75	Eastern Bohol and part of Leyte.....	1:100,000	31×44	1910	4465	.50	Harbors in Cebu.....		25×32	1912
4426	.75	Southwest coast of Leyte, Ormoc Bay to Maasin.....	1:100,000	30×41	1915			Hagnaya Bay.....	1:30,000		
		Maasin.....	1:10,000					Tuburan.....	1:30,000		
4427	.75	East coast of Cebu, Cebu Island.....	1:100,000	28×40	1910			Balamban Bay.....	1:30,000		
4428	.75	Northern part of Tañon Strait, Negros and Cebu Islands.....	1:100,000	29×40	1911			Lambusan.....	1:30,000		
4429	.75	Western Bohol, Bohol Island.....	1:100,000	30×44	1911			Dumanjug Bay.....	1:20,000		
4430	.75	Tañon Strait, southern part, Cebu and Negros Islands.....	1:100,000	31×42	1911			Moalboal.....	1:20,000		
4431	.75	Western Negros.....	1:100,000	32×36	1926			Argao.....	1:25,000		
		Asia Bay.....	1:10,000					Bogo Bay.....	1:30,000		
4432	.75	Southwestern Negros.....	1:100,000	27×36	1913			Carcar Bay.....	1:15,000		
4440	.50	Biri Channel and vicinity, northwest coast of Samar.....	1:40,000	25×32	1934			Port Carmen.....	1:15,000		
		Cebu Harbor and approaches, Cebu Island.....	1:30,000	28×35	1937			Barili Bay.....	1:15,000		
		Cebu Harbor.....	1:10,000			4466	.75	Harbors in Negros and vicinity.....		32×36	1922
4448	.50	Iloilo Strait and Harbor, Panay Island.....	1:50,000	24×32	1935			Dumaguete, Negros Island.....	1:10,000		
		Iloilo River.....	1:10,000					Himugaan River, Negros Island.....	1:15,000		
		Santa Ana Bay.....	1:20,000					Calagcalag Bay, Negros Island.....	1:10,000		
4449	.75	Port Palapag and Laoang Bay, Samar Island.....	1:40,000	31×33	1924			Port Canaan, Siquijor Island.....	1:5,000		
4453	.75	Harbors of Marinduque Island and vicinity.....		29×36	1913			Port Bombonan, Negros Island.....	1:10,000		
		Port Balanacan, northwest coast, Marinduque Island.....	1:10,000					Refugio Pass, Negros Island.....	1:35,000		
		Santa Cruz Harbor and Masagasaki Bay, northeast coast, Marinduque Island.....	1:30,000					Bais, Negros Island.....	1:30,000		
		Torrijos Bay, east coast, Marinduque Island.....	1:5,000					Port Siyt, Negros Island.....	1:10,000		
		Port Concepcion, Maestre de Campo Islands.....	1:10,000			4467	.25	Himamaylan, Negros Island.....	1:20,000		
								Guiuan Harbor, Samar Island.....	1:20,000	19×31	1911
								Pambuhan Harbors, Samar Island.....	1:35,000		

COAST AND HARBOR CHARTS OF THE PHILIPPINE ISLANDS—Continued

No.	Price	TITLE	Approximate scale	Size of border (inches)	Date	No.	Price	TITLE	Approximate scale	Size of border (inches)	Date
4511	\$0.75	Basilan Strait, Mindanao and Basilan Islands.....	1:100,000	32×42	1928			Anchorage in Iligan Bay and vicinity—Continued.			
4512	.75	Samal Group, Sulu Archipelago.....	1:100,000	31×42	1926			Canauayor Anchorage.....	1:20,000		
4513	.75	Jolo and Tapul Islands, Sulu Archipelago.....	1:100,000	33×42	1934			Jimenez.....	1:20,000		
4514	.75	Tawitawi and vicinity, Sulu Archipelago.....	1:100,000	33×44	1934			Iligan and Overton Anchorages and Quinalang Cove.....	1:40,000		
4515	.75	Sibutu Islands, Sulu Archipelago.....	1:100,000	34×42	1938			Oroquieta.....	1:20,000		
4516	.75	Pearl Bank to Dammai Island, Sulu Archipelago.....	1:100,000	32×43	1930	4640	\$0.50	Port Mambajao.....	1:10,000		
4517	.75	Pangutaran Islands.....	1:100,000	31×42	1929			Agayan Anchorage.....	1:20,000		
4518	.75	Jolo to Pilas Islands, Sulu Archipelago.....	1:100,000	32×42	1929	4641	.50	Port Misamis, Mindanao Island.....	1:20,000	26×33	1938
4540	.50	Anchorage in Basilan and Samal Islands.....	1:100,000	32×33	1927	4645	.50	Port Misamis.....	1:20,000		
		Port Holland, west coast of Basilan.....	1:5,000					Murcielagos Bay, Mindanao Island.....	1:20,000	31×33	1929
		Amoyloi Anchorage, south coast of Basilan.....	1:20,000			4647	.25	Vicinity of Zamboanga Masinloc Anchorage to Caldera Bay, Mindanao Island.....	1:30,000	24×37	1937
		Ton Sandungan Channel, Samal Group.....	1:20,000					Zamboanga water front.....	1:5,000		
		Bojelebung and Kauluan Channels, east coast of Basilan.....	1:15,000			4650	.75	Agusan River entrance, Mindanao Island.....	1:20,000	19×27	1934
4541	.50	Anchorage in Jolo Islands, Jolo Island.....	1:10,000	31×32	1927	4651	.50	Nasipit Harbor, Mindanao Island.....	1:15,000		
		Jolo Anchorage, north coast.....	1:10,000					Dumanquilas Bay.....	1:35,000	30×38	1930
		Dalrymple Harbor and Capul Channel, northeast coast.....	1:20,000					Harbors on the south and west coasts of Mindanao.....		28×33	1930
		Maimbung Bay, south coast.....	1:40,000					Port Banga, Mindanao Island.....	1:20,000		
4543	.50	Isabela Channel and approaches, Basilan Island.....	1:25,000	25×33	1925			Taba Bay, Mindanao Island.....	1:30,000		
4544	.75	Siasi and Lapac Islands.....	1:30,000	31×40	1935			Port Santa Maria, Mindanao Island.....	1:30,000		
4546	.75	Harbors in western Tawitawi.....	1:20,000	31×37	1930	4652	.75	Harbors in Illana Bay and vicinity, Mindanao Island.....		31×34	1931
		Luuk Bay.....	1:15,000					Port Sibulan.....	1:60,000		
		Luuk Sula Bay and Batu Batu Bay.....	1:15,000					Port Baras.....	1:20,000		
		Manalik Channel.....	1:15,000					Limbug Cove.....	1:15,000		
		Port Bongao.....	1:15,000					Port Sambulauan.....	1:30,000		
4603	.75	Surigao Strait and vicinity, Mindanao and Leyte Islands.....	1:200,000	34×44	1936			Pagadian Bay.....	1:50,000		
4604	.75	Iligan Bay and vicinity.....	1:200,000	31×41	1929	4653	.75	Maligay Bay.....	1:50,000		
4605	.75	Zamboanga Peninsula, Mindanao, west coast.....	1:200,000	34×41	1937			Harbors on the south coast of Mindanao Island.....		31×41	1933
4606	.75	Port Sibulan to Polloc Harbor, Mindanao Island.....	1:200,000	28×37	1932			Linao Bay.....	1:30,000		
4607	.75	Cotabato to Sarangani Bay, Mindanao Island.....	1:200,000	31×41	1925			Port Lebak.....	1:20,000		
		Milbuk Harbor.....	1:10,000					Basiauang Bay.....	1:20,000		
4608	.75	Sarangani Bay to Mayo Bay.....	1:200,000	33×41	1937			Tuna Bay.....	1:20,000		
4624	.75	Northern part of Davao Gulf, Mindanao Island.....	1:100,000	32×39	1935			Kiamba.....	1:10,000		
		Davao.....	1:5,000					Kling.....	1:10,000		
		Malipano Anchorage.....	1:20,000					Makar.....	1:10,000		
4625	.75	Cape San Augustin to Mayo Bay, Mindanao Island.....	1:100,000	26×40	1914			Boayan.....	1:10,000		
		Balete Bay.....	1:20,000					Sapu Bay.....	1:10,000		
4626	.75	Mayo Bay to Cateel Bay, Mindanao Island.....	1:100,000	30×41	1915			Canalasan Cove.....	1:10,000		
4627	.75	Cateel Bay to Jobo Point, Mindanao Island.....	1:100,000	29×40	1915	4654	.75	Butulan Cove.....	1:10,000		
		Lamon Anchorage.....	1:20,000					Fort Holland.....	1:10,000		
		Catarman Anchorage.....	1:20,000					Port Patuco.....	1:10,000		
4628	.75	Jobo Point to Tugas Point, Mindanao Island.....	1:100,000	29×40	1913	4655	.75	Port Tumanao.....	1:10,000		
		Bitagan Bay.....	1:30,000					Port Bolay.....	1:10,000		
4629	.75	Ilinatuan Passage, Mindanao Island.....	1:100,000	30×38	1913			Kaimba.....	1:10,000		
		Surigao.....	1:10,000					Mindanao River Delta and Polloc Harbor, Mindanao Island.....	1:50,000	34×41	1917
4638	.75	Harbors on Dinagat, Siargao and Bucas Islands.....		30×37	1913	4656	.75	Parang and Polloc Anchorages.....	1:20,000		
		Dapa Channel.....	1:35,000					Cotabato entrance, Mindanao River.....	1:20,000		
		Gaas Bay and Inlet.....	1:30,000					Mindanao River, upper part, Mindanao Island.....	1:50,000	34×42	1924
		Dinagat.....	1:20,000					Continuation of Buluan and Alip Rivers.....	1:50,000		
		Sohutan Bay and Inlet.....	1:20,000					Anchorage in Davao Gulf.....		32×41	1933
		San Roque.....	1:25,000					Talomo Bay.....	1:30,000		
		Port Pilar.....	1:30,000					Pakiputan Strait.....	1:20,000		
		Malinao Inlet.....	1:25,000					Malalag Bay.....	1:20,000		
4639	.75	Anchorage in Iligan Bay and vicinity, Mindanao Island.....		29×35	1937			Kopia.....	1:20,000		
		Plaridel and Inamucan Bay.....	1:25,000					Magnaga.....	1:20,000		
		Dapitan and Dipolog.....	1:40,000					Kumassie.....	1:20,000		
								Mapanga Bay.....	1:20,000		
								Port Tubalan.....	1:20,000		
								Digos.....	1:20,000		
								Malita.....	1:20,000		
								Lais.....	1:20,000		
								Lavigan Anchorage.....	1:5,000		

UNITED STATES COAST PILOTS AND INTRACOASTAL WATERWAY PILOTS

Each book furnishes information required by the navigator for the area indicated, that cannot be shown conveniently on the nautical chart. They contain detailed information relative to the coast line, port information, sailing directions for coasting and entering harbors, and general information as to weather conditions, radio service, etc. New editions are published about every five years. Supplements, containing changes and new information, are published annually and distributed free.

Distances Between United States Ports (the last item listed) gives the distances between more than 30,000 ports along the shortest route marked by aids to navigation, and includes a time table for various distances at different speeds.

ATLANTIC COAST

- Sec. A: St. Croix River to Cape Cod (1933), with Supplement to July 22, 1937. Price, 75 cents.
Sec. B: Cape Cod to Sandy Hook (1933), with Supplement to September 15, 1937. Price, 75 cents.
Sec. C: Sandy Hook to Cape Henry, including Delaware and Chesapeake Bays (1937). Price, 75 cents.
Sec. D: Cape Henry to Key West (1936), with Supplement to December 17, 1937. Price, 75 cents.

GULF COAST

- Key West to the Rio Grande (1936), with Supplement to February 18, 1938. Price, 75 cents.

INTRACOASTAL WATERWAY (INSIDE ROUTE)

- New York to Key West (1936), with May 1938 correction sheet. Price, 50 cents.

WEST INDIES

- Puerto Rico and Virgin Islands (1929), with Supplement to March 18, 1938. Price, 75 cents.

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- California, Oregon, and Washington (1934), with Supplement to December 13, 1937. Price, 75 cents.

ALASKA

- Part 1.—Dixon Entrance to Yakutat Bay, with Inside Passage from Juan de Fuca Strait to Dixon Entrance (1932), with Supplement to March 25, 1938. Price, 75 cents.
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- Part 1.—Luzon, Mindoro, and Visayas (1927), with Supplement to April 30, 1937. Price, 75 cents.
Part 2.—Palawan, Mindanao, and Sulu Archipelago (1930), with Supplement to May 12, 1937. Price, 75 cents.

DISTANCE TABLES

- Distances Between United States Ports. Price, 10 cents.

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Notice to Mariners (United States), a weekly leaflet issued jointly with the Bureau of Lighthouses of the Department of Commerce, is free to those who desire copies regularly. It may be consulted at sales agencies and at all United States

*Notice to Mariners and List of Lights, Buoys, etc., pertaining to the Philippines are issued free to mariners by the Commonwealth Government of the Philippine Islands, Manila, P. I. A limited supply of these is available at the Coast and Geodetic Survey Field Stations in San Francisco, Calif., and Honolulu, T. H.

customhouses, lighthouse offices, hydrographic offices, and consulates abroad. Notice to Mariners is issued as a safety aid, to keep mariners advised of constant changes so they may keep their nautical charts and coast pilots up to date. New charts, new editions of charts, and new publications, are also announced therein.

TIDE TABLES AND CURRENT TABLES

Tide Tables and Current Tables are issued in advance annually and in addition to the predictions for every day of the year for important harbors, include differences by which similar predictions may be readily obtained for thousands of other places, as well as miscellaneous astronomical data.

The Tide Tables cover the predicted times and heights of high and low water, and include tables for obtaining the height of tide at any time, local civil time of sunrise and sunset, reduction of local civil to standard time, and moonrise and moonset.

The Current Tables cover the predicted time of slack and the times and velocities of strength of current, and include tables on duration of slack, coastal tidal currents, wind currents, combination of currents, and current diagrams of certain waterways.

Tide Tables, Atlantic Ocean. Price, 25 cents.

Tide Tables, Pacific Ocean and Indian Ocean. Price, 25 cents.

Current Tables, Atlantic Coast, North America. Price, 10 cents.

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Good for any year, they contain 12 tidal current charts of the particular water area covered, and are printed in colors, depicting for each tidal hour the direction and velocity of the current that may be expected throughout the entire harbor. Useful not alone to the navigator but to the engineer and scientist confronted with problems involving the circulation of surface waters.

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For sale by the Superintendent of Documents, Washington, D. C., and at sales agencies listed in Notice to Mariners in the first issue of each month.

North Atlantic Coast of the United States (includes all aids to navigation, from Canada to and including Chesapeake Bay).

South Atlantic Coast of the United States (includes aids to navigation on the sea-coast and principal tributaries, from Chesapeake Bay to Rio Grande).

Intracoastal Waterway of the Atlantic Coast (includes aids to navigation in the intracoastal waterway and inside waters from Hampton Roads to Rio Grande).
Great Lakes, United States and Canada (includes also unlighted aids in the United States waters).

Pacific Coast of the United States and Canada (includes also unlighted aids in the United States waters).

Mississippi and Ohio Rivers, Including Mississippi River and Navigable Tributaries (includes also unlighted aids).

MISCELLANEOUS MAPS AND PLANS

No.	Price	TITLE	State	Scale		Size of border (inches)	Date
				Proportional	Inches to statute miles		
3032	\$0.50	Part of Bahama Islands, showing tracks ascribed to Columbus.....				22×36	1881
3035	.45	Washington City, by Ellicott.....	D. C.	1:19,800	3.20	21×29	1792
3036	.45	Washington City, by W. J. Stone.....	do.	1:12,070	5.25	23×31	1839
3043	.45	City of Washington.....	do.	1:19,800	3.20	17×20	1792
	10.00	King plats of the city of Washington (19 sheets, including title-page, text page, and index map).	do.	1:2,400	26.4	28×40	1803
3055	.50	San Francisco Peninsula.....	Calif.	1:40,000	1.58	18×28	1869
3060	.30	U. S. Outline Map, Lambert Conformal Conic Projection.....	United States	1:5,000,000		26×40	1935
3060a	.40	U. S. Aeronautical Planning Chart. Lambert Conformal Conic Projection, showing principal cities, airports, and radio broadcasting stations.	do.	1:5,000,000		26×40	1935
3068	.20	U. S. Outline Map, Lambert Zenithal Equal Area Projection.....	do.	1:7,500,000		21×26	1919
3069	.25	Outline Map, Lambert Conformal Conic Projection.....	Alaska	1:5,000,000		18×27	1921
3070	.75	North Atlantic Ocean, with eastern North America and Europe. Lambert Projection.		1:10,000,000		24×46	1918
3074	.40	Great Circle. United States Gnomonic Projection (showing selected airports along air routes).		1:5,094,000		27×41	1934
3074a	.40	Great Circle. United States Gnomonic Projection (black and white).....		1:5,094,000		27×41	1934
3077	.20	Lines of Equal Magnetic Declination and of Equal Annual change in the United States.				21×27	1935
3078	.60	U. S. Outline Map (in two parts), Murdoch's projection on intersecting cone.....	United States	1:3,500,000		42×55	1923
3079	.25	U. S. Drainage Map, Murdoch's projection on intersecting cone.....	do.	1:7,000,000		21×27	1893
3080	.25	North Pacific Ocean, Transverse Polyconic Projection.....		1:20,000,000		14×41	1921
3081	.30	Birthplace of Washington.....	Virginia	1:10,000	6.34	22×29	1897
3082	.25	Outline Map of the Philippine Islands, Polyconic Projection.....		1:2,500,000		20×30	1934
3083	.10	Philippine Islands Base Map, Mercator Projection in Lat. 13° N.....		1:5,000,000		11×17	1905
3084	.05	U. S. Outline Map, Murdoch's projection on intersecting cone.....	United States	1:17,850,000		7×11	1922
3085	.25	U. S. Outline Map, Murdoch's projection on intersecting cone.....	do.	1:7,000,000		17×28	1927
3086	.20	U. S. Outline Map, Murdoch's projection on intersecting cone.....	do.	1:7,700,000		15×25	1928
3087	.35	U. S. Outline Map, Lambert conformal conic projection.....	do.	1:4,260,000		29×46	1922
3099	.15	Aitoff's Equal Area Projection of the Sphere.....				18×25	1929
3101	Each to .15	District of Columbia, city excepted, in 58 sheets.....	D. C.	1:4,800	13.20	14×14	1881
3190							to 1893
3240	.25	St. Thomas, Virgin Islands.....	W. I.	1:40,000	1.58	17×29	1922
3241	.25	St. John, Virgin Islands.....	do.	1:40,000	1.58	10×22	1934
3242	.25	St. Croix, Virgin Islands.....	do.	1:40,000	1.58	16×37	1923

¹ Scale approximate.

CHARTS AND MAPS ISSUED BY OTHER FEDERAL DEPARTMENTS

[Obtainable from the services named at the addresses given]

WAR DEPARTMENT:

United States Army (Corps of Engineers)—

Tactical maps of limited areas.

United States District Engineer Office—

Louisville, Ky., or Cincinnati, Ohio.

Maps of Ohio and Wabash Rivers.

Chicago, Ill.

Maps of Illinois Waterway (Lakes to Gulf).

Lake Survey, Detroit, Mich.—

Charts of the Great Lakes, New York State Barge Canal (Erie Canal),

Lake Champlain and of the St. Lawrence River to Cornwall, Canada.

Mississippi River Commission, Vicksburg, Miss.—

Maps of Mississippi River from the Head of Passes to Cairo, Ill.

NAVY DEPARTMENT: Hydrographic Office—

Charts of foreign countries.

INTERIOR DEPARTMENT:

Geological Survey—

Topographic and geologic maps.

General Land Office—

Maps of the United States and of States and Territories.

Post Office Department: (Topographer's Office)—

Post route maps of States and Territories.

DEPARTMENT OF AGRICULTURE:

Bureau of Chemistry and Soils—

Soil maps in county units.

Forest Service—

Maps of National Forests and of forested regions.

SALES AGENTS

[*Agents marked with an asterisk also handle U. S. Hydrographic Office publications.]

[†Agents marked with a dagger also handle U. S. Lighthouse Service publications]

Maine—

Bar Harbor: Charles Parker.
Bath: †Hall & Hunt, 106 Front Street.
Belfast: Lord & Co., 31 Front Street.
Boothbay Harbor: W. E. Sawyer.
Brunswick: F. W. Chandler & Son.
Camden: †The Village Shop, 25 Main Street.
Eastport: †S. L. Wadsworth & Son, 5-8 Central Wharf.
Manset: A. F. Ramsdell.
Portland: †W. S. Jordan Co., 102 Commercial Street.
Rockland: †Huston-Tuttle Book Co., 404 Main Street.
Stonington: T. Warren & Co.

New Hampshire—Portsmouth: W. S. Jackson.

Massachusetts—

Bass River, Cape Cod: Theodore Frothingham.
Boston:
†U. S. Coast and Geodetic Survey Field Station, 10th floor Customhouse.
*†C. C. Hutchinson, 175 State Street.
*†Kelvin & Wilfrid O. White Co., 90 State Street.
*†Advance Nautical Equipment Co., 154 State Street.
Chatham: Mayflower Shop.
Edgartown: Avery & Tobin, Inc.
Gloucester:
†Harry F. Mawhinney, 20 Pleasant St.
*George K. Rogers Co., 150 Main Street.
New Bedford: †C. E. Beckman Co., 31-35 Commercial Street.
Provincetown: Freeman's General Store, 491 Commercial Street.
Vineyard Haven: W. Bradford Clough.
Woods Hole: H. A. Daniels.

Rhode Island—

Newport: †W. H. Tibbetts Co., 185 Thames Street.
Providence: Goff & Page, 54 Customhouse Street.

Connecticut—

Bridgeport: Rider, Hayes Co., 610-612 Water Street.
Devon: C. E. French, 109 Bridgeport Avenue.
Essex: The Essex Paint and Marine Co.
Hartford: †Clapp & Treat, Inc., 4 American Row, Old State House Square.
New Haven: †Bradley & Scoville, Inc., 67-69 Orange Street.
New London:
†Edwin Keeney Co., 15 Main Street.
†The Darrow & Comstock Co., 114 Bank Street.
South Norwalk: Fox Cycle & Hardware Co., 108 Washington Street.
Stamford: Stamford Bookstore, Inc., 15 Atlantic Street.

New York—

Albany: †B. Lodge & Co., 109 North Pearl Street.
Bay Shore, L. I.: H. A. Brewster, 5 Ocean Avenue.
City Island: Hunter A. Winsetta, 279 City Island Avenue.
Flushing: Flushing Boat Sales and Service, 135-15 Northern Boulevard.
Freeport: Chatfield's Marine Sales and Service, Inc., Hinds Point.
Greenport: S. T. Preston & Son.
Huntington: †Huntington Hardware Co.
New Rochelle: A. Librett, Inc., 460 North Avenue.
New York:
†U. S. Coast and Geodetic Survey Field Station, 915 Federal Office Bldg.
*†John Bliss & Co., 84 Pearl Street.
*†C. S. Hammond & Co., 30 Church Street.
*†T. S. & J. D. Negus, 69 Pearl Street.
*†Kelvin & Wilfrid O. White Co., 38 Water Street.
†The E. J. Willis Co., 91 Chambers Street.
Ahercrombie & Fitch Co., Madison Avenue and Forty-fifth Street.
Hagstrom Co., Inc., 20 Vesey Street.
Gabiella Placht, The Beacon Book Shop, Inc., 46 E. 46th Street.
Port Jefferson: Charles S. Dickerson.
Port Washington: A. & R. Marshall, 403 Main Street.
Sag Harbor, L. I.: R. C. Barry & Son.

New Jersey—

Atlantic City: †Service Station Co., Massachusetts and Adriatic Avenues.
Bay Head: F. Shale Dale.
Cape May: Cape Island Boat, Oil & Engine Co.
Perth Amboy: Frank P. Woglom, 204 Smith Street.
Point Pleasant: Point Pleasant Hardware Co.
Red Bank: Harold H. Brown, 80 Riverside Avenue.
Delaware—Wilmington: †David Hay Marine Equipment Co.

Pennsylvania—

Philadelphia:
*†John E. Hand & Sons Co., Third and Chestnut Streets.
*†Riggs & Bro., 310 Market Street.
The Map Store, 50 North Thirteenth Street.
H. Wallace Barraclough, Jr., 113 Chestnut Street.
Marine Equipment & Supply Co., 116 Walnut Street.

Maryland—

Annapolis: *Weems System of Navigation.
Baltimore:
*†John E. Hand & Sons Co., 11-13 South Gay Street.
*†E. Smola Co., Inc., 43 South Gay Street.
Crisfield: J. P. Tawes & Bro.

District of Columbia—Washington: U. S. Coast and Geodetic Survey Office.

Virginia

Newport News: *†E. Smola, 2415 Washington Avenue.
Norfolk:

†William Freeman & Son, Inc., 317 Granby Street.
*†W. T. Brownley, 121 Randolph Street.
*†Henry Eagleton, 6 Arcade Building.

Richmond: Everett Wadley Co.

North Carolina—

Elizabeth City: P. W. Melick Co., 11-13 South Water Street.
Morehead City: *Dee Gee's Shop.
Wilmington: *C. D. Maffitt & Co., Rooms 207-208, C. D. Maffitt's Marine Wireless Building.

South Carolina—

Charleston: *†The Hammond Book Store, 10 Broad Street.

Georgia—

Brunswick: Brunswick Hardware Co.
Savannah: John D. Robinson Co., 11 Bay Street, West.

Florida—

Crystal River: Frederick Van Roy.
Fort Myers: J. B. Parker, Inc.
Fort Pierce: Hortons, Inc.
Jacksonville: *†The H. & W. B. Drew Co.
Key West: *†Roberts' Book Store, 222 Duval Street.

Florida—Continued.

Miami:

*†Frank T. Budge Co.
*†The Hopkins-Carter Co., Miami Avenue and Southeast Second Street.
Phillips Hardware Co., 301 North Miami Ave.
Pensacola: *†McKenzie-Certing Supply Co., 601 South Palafox Street.
St. Augustine: Builder's Service Co., corner Cordova and Hypolita Streets.
St. Petersburg: Bayboro Marine Ways Co., Inc., Second Street and Seventh Avenue, South.
Sarasota: Dnnavant & McFarland, 2 Cain Building.
Tampa: *†W. M. Fielder, 109 South Franklin Street.
Tarpon Springs: Webster Little.
West Palm Beach: Palm Beach Mercantile Co.

Alabama—Mobile: *†Mobile Ship Chandlery Co., corner Dauphin, Commerce, and Front Streets.

Louisiana—

New Orleans:

†U. S. Coast and Geodetic Survey Field Station, 314 Customhouse, 423 Canal Street.
*†J. S. Sarensen, 317 Tchoupitoulas Street.
*†Baker, Lyman & Co., 308 Magazine Street.

Texas—

Galveston: *†Purdy's Book Store, 2220 Avenue D.
Houston:
*†Peden Iron & Steel Co., 700 N. San Jacinto Street.
Port Arthur: *N. M. Nielsen, 417 Austin Avenue.
Rockport: Fred M. Percival.

Cuba—Habana: *†Eduardo Mencia, Obispo #79.

Puerto Rico—San Juan: *Plaza Provision Co., 15 Allen Street.

U. S. Virgin Islands—St. Thomas: *E. L. Simmons, Harbormaster.

Canal Zone—Cristobal: *†Captain of the Port.

California—

Balboa: Balboa Marine Hardware Co.
Enreka: †C. O. Lincoln & Co., 615 Fifth Street.
Los Angeles:
†Dietrich-Post Co. of Los Angeles, 812 South Spring Street.
*A. Lietz Co., 913 South Grand Avenue.
San Diego: *†Arey-Jones Co., 933 Fourth Street.
San Francisco:
†U. S. Coast and Geodetic Survey Field Station, 307 Customhouse.
*Geo. E. Butler, Alaska Commercial Building, 356 California Street.
*A. Lietz Co., 70 Post Street.
*†Lonis Weule Co., 6 California Street.
San Pedro:
*†Marine Hardware Co., 509 Beacon Street.
†C. J. Hendry Co., 111-121 South Front Street.
*†Southwest Instrument Co., 244 West Seventh Street, Los Angeles Harbor
Santa Barbara: Pacific Coast Publishing Co., 1022 State Street.
Stockton: Morris Bros., 15 N. Hunter Street.
Tahoe: Tahoe Mercantile Co.

Oregon—

Astoria: *The Beebe Co., 587 Bond Street.
Marshfield: G. R. Theiring.
North Bend: Oregon-Pacific Co., Inc.
Portland:
*†The Beebe Co., 504-10 SW. First Avenue.
*†Frank H. Parks, 213 SW. Washington Street.
†Portland Instrument Co., 334 SW. Fifth Avenue.

Washington—

Anacortes:
†S. D. Temple & Co., 610 Commercial Avenue.
Marine Supply & Hardware.
Bellingham: Griggs Stationery & Printing Co., 212 East Holly Street.
Everett: Black & King, 2930 Colby Avenue.
Friday Harbor: Friday Harbor Drug Co.
Mount Vernon: †Ray Eldridge Stationery Co.
Olympia: The Smokehouse, 415 Capitol Way.
Port Angeles: Willson Hardware Co.
Seattle:
†U. S. Coast and Geodetic Survey Field Station, 601 Federal Office Building.
*†Max Kuner Co., 812 First Avenue.
*†Lowman & Hanford Co., 1515 Second Avenue.
*†Pacific Marine Supply Co., 1217 Western Avenue.
Northwest Instrument Co., 63 Madison Street.
Charles F. Metsku, 1020 Third Avenue.
Tacoma: *†The Stationers, Inc., 926 Pacific Avenue.

Alaska—

Cordova: Cordova Drug Co.
Craig: J. L. Lucier.
Hoonah: O. G. Hillman.
Juneau: †The Hayes Shop.
Ketchikan: *†Ryus Drug Co.
Kodiak: W. J. Erskine Co.
Petersburg: The Trading Union, Inc.
Seward: Alaska Shop.
Sitka: †P. S. Ganty.
Valdez: Valdez Drug Co., Inc.
Wrangell: †Campbell Brothers.

Hawaii—Honolulu: *Honolulu Paper Co., Ltd., 1045 Bishop Street.

Philippine Islands—

Cebu: Pacific Commercial Co.
Iloilo: Hoskyn & Co.
Manila:
†U. S. Coast and Geodetic Survey Field Station, Intendencia Building.
*Luzon Stevedoring Co., between Pier 1 and Pier 3, Port Area.
Zamboanga: Francisco Barrios & Co.

Canada—

Montreal, Quebec:
*Kelvin, Bottomley & Baird, Canada, Ltd., 101 Commissioners Street.
Nanaimo, B. C.: T. A. Barnard.
Prince Rupert, B. C.: *McRae Bros., Ltd.
Vancouver, B. C.:
*†Capt. A. P. W. Williamson & Son, 1052 West Pender Street.
*The Clarke & Stuart Co. Ltd., 550 Seymour Street.
Victoria, B. C.: Diggon-Hibben, Ltd., 1208 Government Street.

Germany—

Berlin SW.: Dietrich Reimer (Andrews & Steiner), 48 Wilhelmstrasse, 29.
Hamburg: Deutsches Seekarten Berichtigungsinstitut, Herrengraben 29, 19.
Javahaus.

Netherlands—Amsterdam: Firina L. J. Harri, Prins Hendrikkade, No. 90

PUBLICATIONS OF THE INTERNATIONAL HYDROGRAPHIC BUREAU

[Obtained from International Hydrographic Bureau, Monte Carlo, Monaco (Principality). The edition required should be specified. Payment to be made by check or international postal order, payable at Monte Carlo, in French francs as from January 1, 1933. Stamps, money, and bank notes not accepted]

	<i>French francs</i>		<i>French francs</i>
I. REPORTS OF PROCEEDINGS OF THE INTERNATIONAL HYDROGRAPHIC CONFERENCES:		B. SPECIAL PUBLICATIONS ON TECHNICAL SUBJECTS—Continued.	
First Conference, London, 1919.....	70.00	No. 24a. Geographical Positions, Part 2 (February 1931).....	37.50
Second Conference, Monaco, 1926.....	70.00	No. 25. Catalog of Original Charts, Part I (Seas of Europe) (April 1929), including Supplements up to May 1, 1933.....	12.50
First Supplementary Conference, Monaco, 1929.....	70.00	No. 25a. Part II (Atlantic Ocean, Indian Ocean) (May 1931), including Supplement up to July 1, 1933.....	12.50
Third Conference, Monaco, 1932.....	70.00	No. 25b. Part III (Pacific Ocean), May 1935.....	25.00
Fourth Conference, Monaco, 1937.....	70.00	No. 26. List of Harmonic Constants December 1936 edition consists of about 750 sheets.....	140.00
REPERTORY OF TECHNICAL RESOLUTIONS adopted by the first 3 conferences (postage extra).....	12.50	Separate sheets, price of each 50 or less sheets (postage extra).....	10.00
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III. ANNUAL REPORTS OF THE INTERNATIONAL HYDROGRAPHIC BUREAU (since 1921) each volume (postage extra).....	5.00	Part A. List of Catalogues of Charts and Nautical Documents, April 1931.....	5.00
B. SPECIAL PUBLICATIONS ON TECHNICAL SUBJECTS (postage extra):		Part B. List of Original Sailing Directions, May 1931 (under revision).....	5.00
*No. 1. Echo Sounding December 1923 (out of print).....		Part C. List of Original List of Lights, October 1931.....	5.00
*No. 2. Report on Observations of Lights Made in the United Kingdom March 1924 (out of print).....		Part D. List of Official Authorities which publish Notices to Mariners, October 1931.....	5.00
*No. 3. Echo Sounding (October 1924).....	2.50	Part E. List of Ports for which complete Tidal Predictions are published, October 1931.....	5.00
*No. 4. Echo Sounding (March 1925).....	2.50	No. 28. Vocabulary Concerning Tides: (in English and French) (March 1932).....	2.50
*No. 5. International Low Water (March 1925).....	2.50	No. 28a. (in German Dutch and Spanish) (October 1934).....	5.00
*No. 6. Summary of Data on Uniformity in Buoyage and Buoy Lighting (August 1925).....	2.50	No. 29. Vocabulary Concerning Fog Signals bilingual (November 1933).....	2.50
Illustrated Tabulation (3 sheets).....	15.00	No. 30. General Bathymetric Charts of the Oceans. Information concerning the preparation of the 3 ^d ed. A separate pamphlet accompanies each new sheet published. Each pamphlet.....	5.00
No. 6a. Further Summary of Data on Uniformity in Buoyage and Buoy Lighting (October 1925).....	2.50	No. 31. General List of Tidal Authorities and Tidal Records. Dec. 1935.....	30.00
*No. 7. Report on the Observations of Visibility of Lights (August 1925).....	2.50	Planisphere, Mercator Proj., scale on Eq. 1:45,000,000-39"x20".....	7.50
*No. 8. Summary of Data on Uniformity in Storm Warning Signals (December 1925).....	2.50	** Reproduction of Mercator's Chart, 1569, 18 sheets. General Bathymetric Chart of the Oceans. Scale 1:10,000,000; in 24 sheets. (Price on application.)	250.00
Illustrated Tabulation (3 sheets).....	15.00	IV. HYDROGRAPHIC REVIEW, published in May and November of each year since 1923 (except in November 1923, and November 1926). Vol. I, no. 2, May 1924 (English edition) is out of print. Each number forms one volume 8vo 11" by 7½", illustrated, of about 200 pages (postage extra).....	50.00
No. 8a. Further Summary of Data on Uniformity in Storm Warning Signals (July 1926).....	2.50	Subscriptions for 2 or more consecutive numbers: When the order is given directly to the Bureau (not through a bookseller) and paid with order, the price of each number is F. F. 45.00 carriage paid (not applicable to previous numbers).	
*No. 9. Unification of Buoyage (January 1926).....	2.50	Index to the first twelve numbers of The Hydrographic Review, free on request. Index to the first twenty-four numbers, price.....	5.00
*No. 10. International Low Water (January 1926).....	5.00	V. INTERNATIONAL HYDROGRAPHIC BULLETIN (bilingual, English-French), published each month from January 1928 to December 1933. Price per number (postage extra).....	5.00
No. 11. Summary of Data on Wind Force and the Beaufort Scale (April 1926).....	2.50	Price of 12 consecutive numbers ordered directly from the Bureau and paid at time of ordering: 50.00 French francs (post free).	
No. 12. Investigation of Harmonic Constants; Prediction of Tides and Currents, and their description by means of these Constants (May 1926).....	12.50	Thereafter the Bulletin has been published every two months. Price per number (postage extra).....	7.00
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No. 13. Tide Predicting Machines (July 1926).....	50.00	VI. YEAR BOOK (bilingual, English-French), published each year, commencing January 1928. One volume, giving the titles, addresses, etc., of hydrographers all over the world (postage extra).....	12.50
*No. 14. Echo Sounding (August 1926).....	7.50	There is an English and a French edition of all publications, except of the Report. Proceedings of the London Conference of 1919 (English edition only) and of the Hydrographic Bulletin, Year Book and some special publications, which are bilingual.	
*No. 15. Summary of Data on Coastal Signals, with proposals for their unification (April 1926).....	5.00	A reduction of 50 percent on all these prices is allowed to Government offices and Naval and Mercantile Marine officers of States Members of the Bureau if the order is sent direct to the Bureau. This reduction does not apply to the General Bathymetric Chart of the Oceans.	
Illustrated Tabulation (8 sheets).....	45.00		
*No. 16. Summary of Data on Port Signals (July 1926).....	5.00		
Illustrated Tabulation (10 sheets).....	50.00		
*No. 17. Summary of Data on Safety of Life at Sea (January 1927).....	10.00		
No. 18. List of Life-Saving Stations 3d edition, Dec. 1935.....	7.50		
*No. 19. Ocean Currents in Relation to Oceanography, Marine Biology, Meteorology, and Hydrography (March 1927).....	7.50		
No. 20. General List, arranged by oceans and historical cards of shoals of doubtful existence and of shoals the positions of which are doubtful or approximate. Second edition, revised and completed:			
Part A, North Atlantic Ocean (January 1932).....	8.00		
Part B, South Atlantic Ocean (January 1932).....	8.00		
Part C, Indian Ocean (January 1932).....	8.00		
Part D, North Pacific Ocean (January 1933).....	10.00		
Part E, South Pacific Ocean (July 1933).....	12.00		
No. 21. Table of Meridional Parts (December 1928).....	15.00		
No. 22. Manual of Symbols and Abbreviations (March 1936).....	25.00		
No. 22a. Tabulation of the Principal Characteristics of Lights, 1937.....	2.50		
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No. 22c. Terminology of Submarine Relief (January 1932).....	2.50		
No. 23. Limits of Oceans and Seas (July 1937).....	9.00		
No. 24. Geographical Positions, Part 1 (April 1930).....	25.00		

* Reproduced in the Hydrographic Review which follows their issue.

** Reproduction of Mercator's Chart 1569 not subject to discount.

AERONAUTICAL CHARTS OF THE UNITED STATES

[For Airway Maps of the Philippine Islands, see page 59]

The aeronautical charts published and issued by the Coast and Geodetic Survey are designed for use in air navigation. Lithographed in colors, they give emphasis to radio ranges, airports, auxiliary landing fields, beacon lights, high-tension lines, and other aids or obstructions to air navigation. This aeronautical information is accurately located upon a base map showing streams, roads, railroads, towns, elevations, and all characteristic details of the terrain.

Sectional Charts, the basic aeronautical charts of the United States, size about 20 by 42 inches, are on a scale of 1:500,000 (8 miles to the inch), and cover an area within 2° of latitude and 6° of longitude, with an overlap on adjoining charts. The 87 charts cover the entire United States. They sell for 40 cents. (See quantity discount below.)

Other aeronautical charts are **regional** and **radio direction finding**. These and **auxiliary charts** and the treatise on navigation, are all described below.

SECTIONAL AERONAUTICAL CHARTS

(Scale 1:500,000. Price, 40 cents each)

Aberdeen (1936) Aug.	Corpus Christi (1937) Oct.	Jacksonville (1937) Apr.	Mt. Shasta (1936) Oct.	San Antonio (1936) Dec.
Albany (1937) Oct.	Dallas (1936) Dec.	Kansas City (1938) May.	Mt. Whitney (1937) Mar.	San Diego (1938) Apr.
Albuquerque (1937) Feb.	Del Rio (1937) Nov.	Klamath Falls (1938) Jan.	Nashville (1937) Nov.	San Francisco (1937) Oct.
Aroostook (1935) Nov.	Denver (1936) Mar.	Kootenai (1937) Dec.	New Orleans (1935) Aug.	Savannah (1937) June
Austin (1937) Dec.	Des Moines (1938) May.	La Grande (1937) Apr.	New York (1938) Apr.	Seattle (1937) Oct.
Beaumont (1937) June	Detroit (1937) Oct.	Lake Huron (1936) Apr.	Norfolk (1937) Oct.	Shreveport (1937) Sept.
Bellingham (1936) Sept.	Douglas (1937) July.	Lake of the Woods (1936) Feb.	Oklahoma City (1937) Nov.	Sioux City (1937) Mar.
Birmingham (1937) Oct.	Dubuque (1937) June.	Lake Superior (1936) Aug.	Orlando (1937) June	Spokane (1937) Oct.
Boise (1938) May	Duluth (1936) Sept.	Lewiston (1936) June.	Phoenix (1937) July	Trinidad (1936) Sept.
Boston (1938) May	El Paso (1938) Apr.	Lincoln (1937) Feb.	Pocatello (1937) Apr.	Tulsa (1937) Apr.
Burlington (1937) Dec.	Elko (1938) Jan.	Little Rock (1936) Dec.	Portland (1938) Jan.	Twin Cities (1937) Nov.
Butte (1938) Mar.	Fargo (1936) Sept.	Los Angeles (1938) Jan.	Prescott (1937) Mar.	Washington, D.C. (1936) Dec.
Casper (1937) Feb.	Glacier Park (1935) Sept.	Miami (1937) Apr.	Rapid City (1937) Jan.	Wichita (1937) May
Charlotte (1937) Aug.	Grand Canyon (1937) Sept.	Miles City (1936) Mar.	Reno (1937) Apr.	Williston (1937) Oct.
Chattanooga (1937) Nov.	Grand Junction (1938) Apr.	Milwaukee (1937) June.	Roswell (1936) Apr.	Winston-Salem (1937) June
Cheyenne (1937) Oct.	Green Bay (1936) Oct.	Minot (1937) Feb.	Sacramento (1937) Apr.	Yellowstone Park (1938) Apr.
Chicago (1937) Oct.	Huntington (1937) Dec.	Mobile (1937) Oct.	Salina (1937) Mar.	
Cincinnati (1937) Feb.			Salt Lake City (1937) Oct.	
Cleveland (1937) Sept.				

REGIONAL AERONAUTICAL CHARTS

Scale 1:1,000,000 (16 miles to the inch); size about 33 by 50 inches. Price, 75 cents each; quantity discount shown below.

8-M	9-M (1938) Mar.	10-M (1938) Mar.	14-M (1938) Apr.	15-M (1937) Nov.
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RADIO DIRECTION FINDING

The aeronautical charts listed below have been especially designed for radio direction finding. Scale 1:2,000,000 (32 miles to the inch). Six charts with generous overlaps are required to cover the United States. Price, 75 cents each; quantity discount shown below.

22-DF (1938)	Includes the area between Denver, St. Louis, Chicago, and the Canadian border.
24-DF (1938) Jan.	Includes the area between San Francisco, Denver, San Diego, and El Paso.
25-DF (1938) Apr.	Includes the area between El Paso, Denver, St. Louis, and New Orleans.

AUXILIARY CHARTS

- 3060a Aeronautical planning chart of the United States; on Lambert conformal conic projection, showing principal cities, airports, and radio broadcasting stations; scale, 1:5,000,000. Price, 40 cents.
- 3074 Great circle chart of the United States, on gnomonic projection, showing selected airports along air routes. Price, 40 cents.
- 3077 Magnetic chart of the United States showing the lines of equal magnetic declination compass variation and of equal annual change for the year 1935. This chart is issued at intervals of five years, the lines of annual change providing means of estimating declination for intervening years. Price, 20 cents. Quantity discount shown below.

TREATISE ON AIR NAVIGATION

"PRACTICAL AIR NAVIGATION and the use of the Aeronautical Charts of the Coast and Geodetic Survey" (second edition); by Thoburn C. Lyon, Associate Cartographic Engineer. Of value in the solution of all problems of air navigation. Contains 195 pages and 98 illustrations, with practical examples in piloting, dead reckoning, radio, and celestial navigation, with all the necessary tables. There is included an Appendix which contains several new graphs and diagrams, in addition to those appearing in the first edition. By their use many of the problems of air navigation may be solved without computation or the construction of a triangle of velocities; instead, pilots may read at a glance the answer to problems involving the effect of wind or time-speed-distance relations. Price, 50 cents per copy; quantity discount shown below.

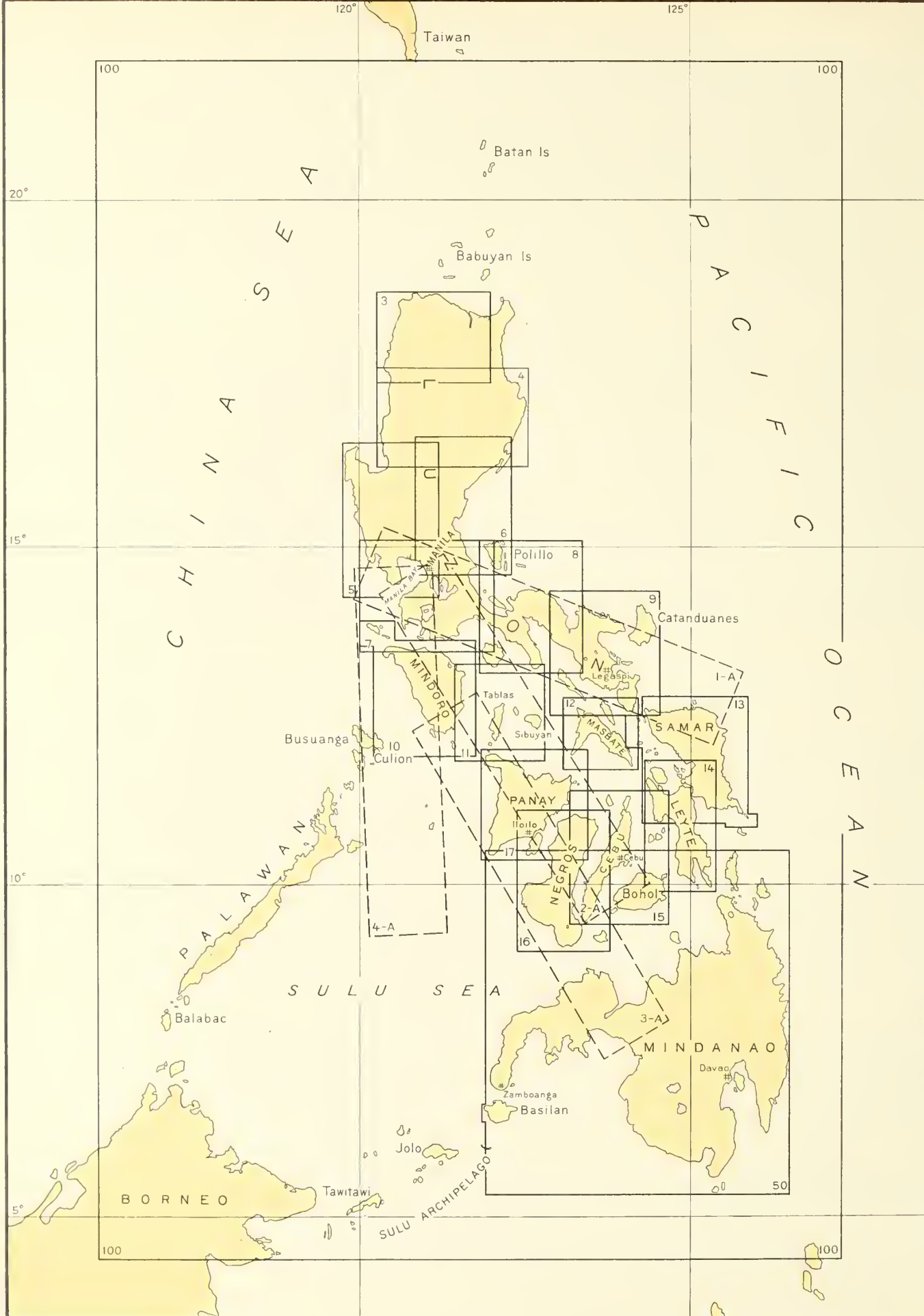
QUANTITY DISCOUNT

A discount of 33½% from full published prices is allowed on orders for aeronautical and auxiliary charts and books amounting to \$10.00 (gross value) made in one shipment to one address. They are not returnable.

Address the Director, U. S. Coast and Geodetic Survey, Washington, D. C.

They may also be obtained from the field station of the Bureau at the following places:

10th Floor, Customhouse, Boston, Mass.; 915-917 Federal Office Building, New York, N. Y.; 423 Canal Street, New Orleans, La.; 307 Customhouse, San Francisco, Calif.; 601 Federal Office Building, Seattle, Wash.



C & G S Print

STRIP AIRWAY MAPS AND TOPOGRAPHIC MAPS OF THE PHILIPPINE ISLANDS

STRIP AIRWAY MAPS OF THE PHILIPPINE ISLANDS

(These maps may be purchased from the Director of Coast Surveys, Manila, P. I. or from the Director, Coast and Geodetic Survey, Washington, D. C., at 50 cents each)

No. 1-A. Manila to Legaspi and Laoang (1929) ----- scale 1:500,000.

No. 2-A. Manila to Iloilo and Cebu (1930) ----- scale 1:500,000.

No. 3-A. San Jose and Iloilo to Malabang (1934) ----- scale 1:500,000.

TOPOGRAPHIC AND OUTLINE MAPS OF THE PHILIPPINE ISLANDS

No.	Price	Title	Approximate scale	Size of border (inches)	Date	No.	Price	Title	Approximate scale	Size of border (inches)	Date
TOPOGRAPHIC MAPS						TOPOGRAPHIC MAPS—Contd.					
3	\$1.00	Northern Luzon—western sheet.....	1:200,000	38×56	1932	16	\$1.50	Negros.....	1:200,000	32×46	1935
4	1.25	Northern Luzon—southern sheet.....	1:200,000	31×49	1935	17	1.00	Panay.....	1:200,000	35×38	1931
5	1.50	Central Luzon.....	1:200,000	32×50	1936	50	1.50	Mindanao.....	1:600,000	36×39	1934
6	1.00	Central Luzon—eastern sheet.....	1:200,000	31×45	1933	100	2.00	Philippine Islands (in four sheets)†.....	1:1,000,000	50×78	1937
7	1.50	Southern Luzon—western sheet.....	1:200,000	36×44	1936			OUTLINE MAPS			
8	1.50	Southern Luzon—central sheet.....	1:200,000	34×43	1930			Outline Map of the Commonwealth of the Philippines.....	1:1,600,000	33×50	1937
9	1.50	Southern Luzon—southern sheet.....	1:200,000	36×41	1933						
10	1.00	Mindoro.....	1:200,000	32×40	1935	104	.50	Outline Map of the Philippine Islands, Polyconic Projection.....	1:2,500,000	20×30	1934
11	.50	Romblon, Tablas, and Sibuyan.....	1:200,000	30×32	1934						
12	.50	Masbate.....	1:200,000	25×26	1932	3082	.25	Philippine Islands Base Map, Mercator Projection in Lat. 13° N.....	1:5,000,000	11×17	1905
13	1.50	Samar.....	1:200,000	36×40	1934						
14	1.00	Leyte.....	1:200,000	24×44	1933	3083	.10				
15	1.50	Cebu and Bohol.....	1:200,000	33×43	1934						

† Can be supplied by the Director of Coast Surveys, Manila, P. I., mounted on muslin, at \$4 per copy.

PUBLICATIONS ON TRIANGULATION AND MAGNETIC DECLINATION IN THE PHILIPPINE ISLANDS

[Obtainable only from the Director of Coast Surveys, Manila, P. I.]

Philippine Islands, Vol. I.—8vo., paper, pp. 468 (1927). Price, 50 cents.

Philippine Islands, Vol. II.—8vo., paper, pp. 476 (1927). Price, 50 cents.

Manila.—8vo., paper, pp. 55 (1926). Price, 15 cents.

Magnetic Declination for Philippine Islands (1925). Price, 30 cents.

NUMERICAL LIST OF NAUTICAL CHARTS

No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page
50	\$0. 75	3	299	\$0. 25	9	530	\$0. 50	11	836	\$0. 25	19	1208	\$0. 75	7	1287	\$0. 75	17
70	. 75	3	303	. 75	5	531	. 75	11	837	. 25	19	1209	. 75	7	1288	. 75	17
77	. 75	3	304	. 75	5	533	. 50	17	838	. 25	19	1210	. 75	7	1350	. 75	3
78	. 75	3	305	. 75	5	534	. 75	11	839	. 25	19	1211	. 75	9	1351	. 75	3
178	. 75	15	306	. 75	5	535	. 75	11	840	. 25	19	1212	. 75	9	3032	. 50	53
179	. 75	15	307	. 75	5	536	. 75	11	841	. 25	19				3035	. 45	53
180	. 75	15	308	. 75	5	537	. 75	13	842	. 25	19	1213	. 75	9	3036	. 45	53
181	. 75	15	309	. 75	5	538	. 75	13	843	. 25	19	1214	. 75	9	3043	. 45	53
182	. 75	15	310	. 75	5	539	. 75	11	844	. 25	19	1215	. 75	9	3055	. 50	53
183	. 75	15	311	. 75	5	541	. 75	9	845	. 25	19	1216	. 75	11	3060	. 30	53
												1217	. 75	11			
184	. 75	15	312	. 75	5	542	. 75	9	846	. 25	19				3060a	. 40	53
185	. 75	15	313	. 75	5	543	. 50	9	847	. 25	19	1218	. 75	11			57
214	. 50	9	314	. 75	5	545	. 75	11	848	. 25	19	1219	. 75	11	3068	. 20	53
215	. 75	9	315	. 75	5	546	. 75	15	901	. 75	21	1220	. 75	11	3069	. 25	53
216	. 50	9	317	. 25	5	547	. 75	15	902	. 75	21	1221	. 75	11	3070	. 75	53
												1222	. 75	11	3074	. 40	53
217	. 50	9	318	. 25	5	548	. 75	11	903	. 75	21						57
218	. 75	9	319	. 25	5	549	. 75	11	904	. 75	21	1223	. 75	11	3074a	. 40	53
219	. 50	9	320	. 25	5	550	. 75	11	905	. 75	21	1224	. 75	11	3075	. 75	3
220	. 75	9	321	. 25	5	557	. 75	11	908	. 75	21	1225	. 75	11	3076	. 75	3
221	. 75	9	325	. 50	5	558	. 75	11	909	. 50	21	1226	. 75	11			53
												1227	. 75	13	3077	. 20	57
222	. 75	9	329	. 50	5	559	. 75	11	913	. 75	21				3078	. 60	53
223	. 75	9	330	. 25	5	560	. 75	11	914	. 75	21	1228	. 75	13			
224	. 75	9	331	. 25	5	566	. 75	11	915	. 50	21	1229	. 75	13	3079	. 25	53
225	. 50	5	339	. 25	7	567	. 75	11	916	. 25	21	1231	. 75	13	3080	. 25	53
226	. 75	9	343	. 50	7	570	. 50	11	917	. 75	21	1232	. 75	13	3081	. 30	53
												1233	. 75	13	3082	. 25	53
227	. 25	5	345	. 25	7	571	. 75	13	918	. 25	21				3083	. 10	53
228	. 25	5	346	. 50	7	573	. 75	13	920	. 75	21	1234	. 75	13			
229	. 50	5	347	. 50	7	574	. 75	13	921	. 75	21	1235	. 75	13	3084	. 05	53
230	. 50	5	348	. 25	7	575	. 25	13	922	. 25	21	1236	. 75	13	3085	. 25	53
231	. 75	5	352	. 25	7	577	. 75	15	923	. 25	21	1237	. 75	13	3086	. 20	53
												1238	. 75	13	3087	. 35	53
232	. 25	7	353	. 75	7	578	. 75	9	924	. 25	21				3099	. 15	53
233	. 50	7	354	. 25	7	579	. 25	9	925	. 25	21	1239	. 75	13			
234	. 25	11	355	. 25	7	580	. 75	7	926	. 75	21	1240	. 75	13	3101	. 15	53
235	. 25	5	357	. 25	7	581	. 25	7	927	. 75	21	1241	. 75	13	3190		
236	. 50	7	358	. 75	9	582	. 25	15	928	. 75	21	1242	. 75	13	3240	. 25	53
												1243	. 75	15	3241	. 25	53
237	. 75	7	359	. 75	9	584	. 75	15	929	. 75	21				3242	. 25	53
240	. 75	7	361	. 75	9	585	. 50	15	931	. 75	21	1244	. 75	15			
242	. 50	7	369	. 75	9	586	. 75	15	932	. 25	21	1245	. 75	15	3243	. 25	11
243	. 75	7	375	. 50	9	587	. 75	15	933	. 25	21	1246	. 75	15	3261	. 25	19
245	. 75	7	379	. 25	11	588	. 75	17	934	. 25	21	1247	. 75	15	4000	. 75	41
												1248	. 75	15	4101	. 25	41
246	. 75	7	400	. 75	11	589	. 75	17	935	. 50	21				4102	. 75	41
247	. 50	7	409	. 25	13	590	. 75	17	936	. 50	21	1249	. 75	15	4103	. 25	41
248	. 75	7	413	. 50	17	591	. 75	17	950	. 75	21	1250	. 75	15	4104	. 75	41
249	. 75	7	420	. 25	13	592	. 50	17	952	. 75	21	1251	. 75	15	4105	. 25	41
250	. 50	7	421	. 25	13	593	. 50	17	955	. 75	21	1252	. 75	15	4108	. 25	41
												1253	. 75	15	4109	. 50	41
251	. 75	7	424	. 50	13	680	. 75	13	1000	. 75	3				4110	. 75	41
252	. 75	7	425	. 50	13	681	. 25	13	1001	. 75	3	1254	. 75	15	4111	. 25	41
254	. 50	9	440	. 75	13	682	. 25	15	1002	. 75	3	1255	. 75	15	4112	. 50	41
255	. 50	9	447	. 25	13	683	. 25	15	1007	. 75	3	1256	. 75	15	4113	. 25	41
256	. 50	9	448	. 25	13	684	. 25	15	1050	. 75	17	1257	. 75	15	4114	. 50	41
												1265	. 75	17			
262	. 25	7	450	. 75	13	745	. 75	9	1051	. 75	17	1266	. 75	17	4115	. 75	41
274	. 25	9	452	. 75	11	746	. 75	9	1106	. 75	3	1267	. 75	17	4116	. 75	41
276	. 50	7			13	747	. 75	9	1107	. 75	3	1268	. 75	17	4117	. 75	41
278	. 75	7	453	. 50	15	748	. 75	9	1108	. 75	3	1269	. 75	17	4118	. 75	41
280	. 75	11	470	. 75	13	777	. 75	13	1109	. 75	3	1270	. 75	17	4121	. 50	41
281	. 50	9	473	. 50	15	787	. 50	13	1110	. 75	3	1271	. 75	17	4122	. 25	41
282	. 50	9	474	. 25	15	792	. 75	13	1111	. 75	3	1272	. 75	17	4123	. 50	41
283	. 75	9	480	. 25	15	793	. 75	13	1112	. 75	3	1273	. 75	17	4130	. 75	41
284	. 50	9	481	. 75	11	794	. 25	13	1113	. 75	3	1274	. 75	17	4131	. 75	41
285	. 75	9	490	. 75	17	795	. 50	11	1114	. 75	3	1275	. 75	17	4132	. 75	41
															4133	. 75	41
286	. 75	9	491	. 50	13	801	. 75	5	1115	. 75	3	1276	. 75	17	4161	. 25	41
287	. 75	9	492	. 75	11	804	. 75	15	1116	. 75	3	1277	. 75	17	4162	. 50	41
288	. 50	5	494	. 75	11	805	. 75	15	1117	. 75	3	1278	. 75	17	4163	. 25	41
289	. 50	5	495	. 75	11	829	. 25	19	1201	. 75	5	1279	. 75	17	4164	. 25	41
293	. 75	9	504	. 75	11	830	. 25	19	1202	. 75	5	1280	. 75	17			
															4165	. 25	41
294	. 75	11	508	. 50	15	831	. 25	19	1203	. 75	5	1282	. 75	17	4166	. 25	41
295	. 75	11	509	. 50	15	832	. 25	19	1204	. 75	5	1283	. 75	17	4190	. 75	41
296	. 50	11	517	. 75	17	833	. 25	19	1205	. 75	5	1284	. 75	17			43
297	. 25	7	520	. 50	17	834	. 25	19	1206	. 75	5	1285	. 75	17	4200	. 75	45
298	. 50	9	529	. 75	11	835	. 25	19	1207	. 75	7	1286	. 75	17	4202	. 50	41

NUMERICAL LIST OF NAUTICAL CHARTS—Continued

No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page	No.	Price	Page
4205	\$0. 75	45	4347	\$0. 25	47	4640	\$0. 50	51	5846	\$0. 25	25	8155	\$0. 75	29	8525	\$0. 25	35
4206	. 75	45	4348	. 50	47	4641	. 50	51	5895	. 25	25	8157	. 75	29	8528	. 75	35
4207	. 75	45	4349	. 50	47	4645	. 50	51	5896	. 75	25	8158	. 75	29	8529	. 75	35
4208	. 75	45	4350	. 75	47	4647	. 25	51	5902	. 75	25	8160	. 50	31	8530	. 75	35
4209	. 75	45	4351	. 75	47	4650	. 75	51	5951	. 75	25				8531	. 75	35
4210	. 75	45	4355	. 75	47	4651	. 50	51	5952	. 25	25	8161	. 75	{29	8532	. 75	35
4211	. 75	45	4356	. 75	47	4652	. 75	51	5971	. 25	25	8162	. 75	31	8533	. 75	35
4214	. 75	45	4405	. 75	47	4653	. 75	51	5984	. 75	25	8164	. 25	31	8534	. 75	35
4218	. 75	45	4410	. 75	49	4654	. 75	51	6002	. 75	25	8168	. 25	31	8535	. 75	35
4219	. 75	45	4411	. 75	49	4655	. 75	51	6004	. 25	25				8536	. 75	35
4220	. 75	45	4412	. 75	49	4656	. 75	51	6023	. 25	25	8170	. 75	31			
4221	. 75	45	4413	. 75	49	4705	. 75	43	6058	. 50	25	8171	. 75	29	8537	. 75	35
4222	. 75	45	4414	. 75	49	4706	. 75	43	6102	. 75	25	8172	. 75	31	8540	. 50	35
4223	. 75	45	4415	. 75	49	4707	. 75	43	6112	. 50	25	8173	. 75	29	8541	. 75	35
4226	. 75	45	4416	. 75	49	4708	. 75	43	6122	. 25	25	8174	. 25	31	8542	. 75	35
4227	. 75	45	4417	. 75	49	4714	. 75	43	6146	. 50	25	8179	. 25	31	8545	. 75	35
4228	. 75	45	4418	. 75	49	4715	. 75	43	6151	. 75	25			{29	8551	. 75	35
4229	. 75	45	4420	. 75	49	4716	. 75	43	6152	. 75	25	8201	. 75	31	8552	. 75	35
4230	. 75	45	4421	. 75	49	4718	. 75	43	6153	. 75	25	8202	. 75	33	8553	. 75	35
4235	. 75	45	4422	. 75	49	4719	. 75	43	6154	. 50	25	8210	. 75	31	8554	. 75	35
4236	. 50	45	4423	. 75	49	4720	. 75	43	6155	. 75	25	8214	. 25	31	8556	. 75	{35
4237	. 75	45	4424	. 75	49	4722	. 75	43	6185	. 75	25	8216	. 50	31			{37
4238	. 75	45	4425	. 75	49	5001	. 75	23	6195	. 50	25	8218	. 50	31	8557	. 75	35
4239	. 50	45	4426	. 75	49	5002	. 75	27	6265	. 75	25	8224	. 25	31	8573	. 75	35
4243	. 50	45	4427	. 75	49	5006	. 25	23	6300	. 75	25	8227	. 25	33	8575	. 75	35
4246	. 50	45	4428	. 75	49	5052	. 75	27	6303	. 25	25	8228	. 25	31	8588	. 50	35
4255	. 75	45	4429	. 75	49	5101	. 75	23	6377	. 25	25	8229	. 25	33	8589	. 50	35
4257	. 75	45	4430	. 75	49	5105	. 75	23	6378	. 50	25	8235	. 50	33	8665	. 50	35
4258	. 25	45	4431	. 75	49	5107	. 75	23	6380	. 75	25	8239	. 75	31	8666	. 75	37
4259	. 75	45	4432	. 75	49	5108	. 75	23	6381	. 75	25	8241	. 75	31	8700	. 75	37
4260	. 50	45	4440	. 50	49	5110	. 75	23	6382	. 75	25	8242	. 50	31			
4266	. 50	45	4447	. 50	49	5111	. 75	23	6399	. 25	25	8244	. 75	31	8701	. 75	37
4267	. 50	45	4448	. 50	49	5112	. 75	23	6403	. 25	25	8246	. 75	31	8703	. 50	37
4268	. 50	45	4449	. 75	49	5113	. 75	23	6405	. 50	25	8247	. 50	31	8704	. 75	37
4269	. 25	45	4453	. 75	49	5114	. 50	23	6406	. 25	25	8248	. 75	31	8710	. 75	37
4271	. 75	45	4454	. 75	49	5115	. 75	23	6407	. 50	25	8252	. 75	31	8802	. 75	27
4272	. 75	45	4455	. 75	49	5116	. 75	23	6412	. 25	25	8253	. 75	31			
4273	. 25	45	4456	. 25	49	5117	. 75	23	6440	. 25	25	8254	. 75	31	8822	. 25	35
4274	. 50	45	4463	. 75	49	5128	. 25	23	6443	. 50	25	8255	. 75	31	8833	. 25	37
4275	. 75	45	4464	. 75	49	5143	. 50	23	6444	. 75	25	8256	. 75	31	8841	. 25	37
4276	. 25	45	4465	. 50	49	5144	. 50	23	6447	. 75	25	8258	. 25	31			{35
4277	. 75	45	4466	. 75	49	5147	. 75	23	6448	. 25	25	8260	. 75	33	8851	. 50	{37
4278	. 75	45	4467	. 25	49	5202	. 75	23	6449	. 75	25	8261	. 75	31			{39
4279	. 50	45	4511	. 75	51	5261	. 25	23	6450	. 75	25	8263	. 25	31	8860	. 75	37
4280	. 50	45	4512	. 75	51	5302	. 75	23	6460	. 75	25	8264	. 25	31	8881	. 25	37
4283	. 75	45	4513	. 75	51	5386	. 25	23	6462	. 50	25	8265	. 25	31	8995	. 75	39
4305	. 75	47	4514	. 75	51	5387	. 50	23	7002	. 75	27	8266	. 25	31	8996	. 75	39
4309	. 75	47	4515	. 75	51	5402	. 75	23	8002	. 75	27	8271	. 25	31	9000	. 75	27
4312	. 75	47	4516	. 75	51	5403	. 75	23	8053	. 75	29	8272	. 75	31	9007	. 25	37
4314	. 75	47	4517	. 75	51	5476	. 75	23	8054	. 25	29	8280	. 75	31	9008	. 50	37
4315	. 75	47	4518	. 75	51	5502	. 75	23	8074	. 50	29	8281	. 75	31			
4316	. 75	47	4540	. 50	51	5520	. 25	23	8075	. 75	29	8283	. 75	31	9010	. 75	37
4317	. 75	47	4541	. 50	51	5525	. 50	23	8076	. 25	29	8285	. 25	31	9050	. 50	39
4319	. 75	47	4543	. 50	51	5527	. 75	23	8078	. 75	29	8299	. 25	31	9102	. 75	27
4321	. 75	47	4544	. 75	51	5528	. 75	23	8079	. 75	29	8302	. 75	33	9103	. 50	39
4323	. 75	47	4546	. 75	51	5531	. 75	23	8085	. 25	29	8303	. 50	33	9104	. 50	39
4324	. 75	47	4603	. 75	51	5532	. 75	23	8094	. 75	29	8304	. 75	33			
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